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^{BETTER}
"Flower Seeds for Florists"

62.23



BEGONIA "King of the Reds"
(Fibrous)

We find this the best all purpose red. It has a bushy pot plant habit. Its strong, rounded, not tall growth makes it ideal for combinations or outdoor work.

CATALOG No.50

Gro. J. Ball
INC.
WEST CHICAGO
ILLINOIS

JANUARY, 1945

WHAT'S NEW?

We feel that no progressive grower should overlook the specialty items featured on this page. Each has been selected because of one or more outstanding points that merit special attention. Many will welcome back the popular English Daisy, *Bellis Perennis*, and certainly the new *Gomphrena* "Buddy" is worth anyone's trying. The others are of equal value as will be noted.

BELLIS PERENNIS

This *Double English Daisy* is highly prized for spring and early summer bedding and while a fall sowing is recommended, very satisfactory plants for spring sales can be had from a January sowing.

Red and Rose each: Tr. pkt., 50c; $\frac{1}{8}$ oz., \$2.00; $\frac{1}{4}$ oz., \$3.50

White. Tr. pkts., only, 50c.

Mixture. Tr. pkt., 50c; $\frac{1}{8}$ oz., \$1.80; $\frac{1}{4}$ oz., \$3.20.

GOMPHRENA—Buddy

A uniformly dwarf and compact form of the popular Globe Amaranth. The small ball-shaped flowers of bright reddish purple are carried on 8 to 10 in. plants. Ideal for borders or combinations as it blooms readily in a $2\frac{1}{2}$ in. pot. Tr. pkt., 30c; $\frac{1}{4}$ oz., 60c; 1 oz., \$2.00.

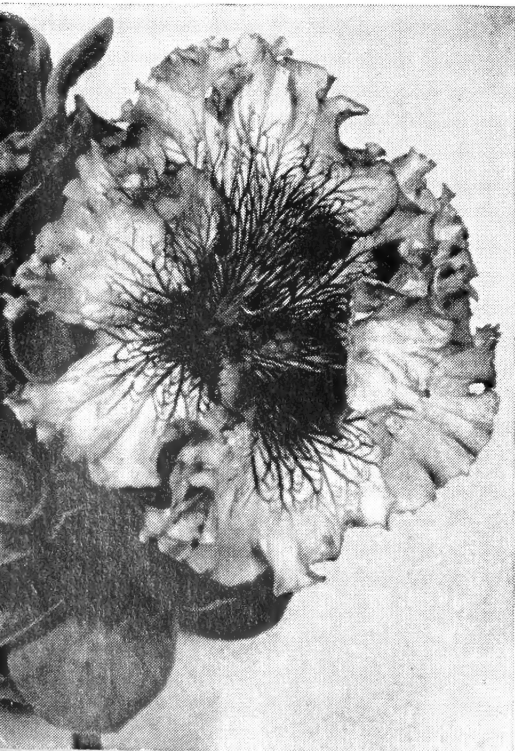
TWO FINE PETUNIAS

Celestial Rose Improved. Its deeper rose coloring and slightly larger flowers make this strain a definite improvement over the original tremendously popular variety which we introduced 11 years ago.

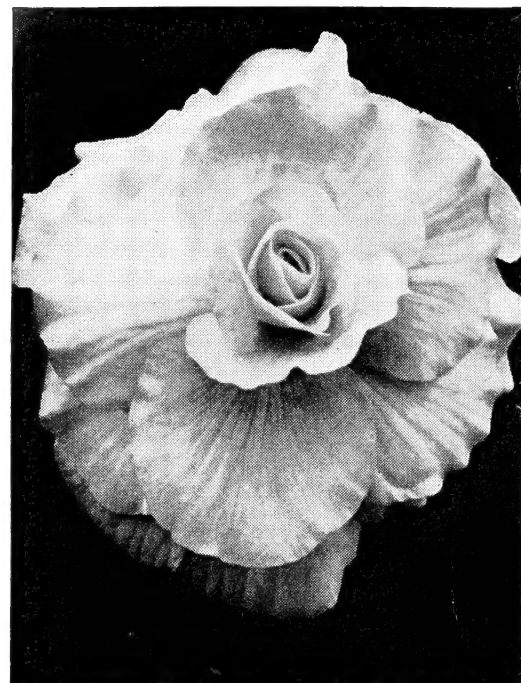
Tr. pkt., 50c; $\frac{1}{8}$ oz., \$1.00; $\frac{1}{4}$ oz., \$1.75; 1 oz. \$6.00.

Ball Lavender Giant (New). Taken as a single-plant selection out of our Ball Dwarf Giant No. 1 Mixture, the pleasing soft lavender color with darker veins and dwarf growth of this variety, should find a ready welcome. Large flowered and true to type. $\frac{1}{2}$ tr. pkt., 75c; Tr. pkt., \$1.25.

New Petunia Ball Lavender Giant



Gomphrena "Buddy"



Begonia Tuberous Rooted Double

BEGONIA

Tuberous Rooted Double

(Vetterle & Reinelt)

This superb strain is personally selected and pollinated by Mr. Frank Reinelt of this famous California organization and should not be confused with cheap imported strains. With doubles of good form ranging as high as 80 to 90%, this, we believe, is unquestionably the world's finest Tuberous Rooted Begonia. Seed sown in January and February in a 65 to 70° temperature will produce choice pot plants from July on. Tr. pkt. (1000 seeds or more), \$2.50.

BEGONIA—Adeline

This increasingly popular dwarf, free-flowering bright rose pink Begonia today ranks head and shoulders in seed demand above all others in its color class. An ideal variety to grow with King of the Reds, pictured on front cover. Tr. pkt., \$1.00, $\frac{1}{64}$ oz., \$2.50; $\frac{1}{32}$ oz., \$4.50.

COLEUS—Giant Exhibition

This strain, grown in our own greenhouses, has won wide acclaim from growers for its brilliance of color range. Large leaves in beautiful shades of yellow, gold, green and red. Tr. pkt., \$1.00; $\frac{1}{32}$ oz., \$2.00.

For Complete Vegetable Seed List see page 36.

To the Trade

AS THIS IS WRITTEN (late November), we have numerous reasons to feel confident that our overwhelmingly superior forces will restore peace to Europe before spring—possibly before this catalog reaches you. It is generally believed that this will be followed by a very active demand for flowers and bedding plants. The few seed shortages this season will not interfere with our effective preparation for this business. Substitutions are generally gladly accepted. If we cannot supply Vincas or Dwarf Phlox, the use of certain Petunias or Dwarf Marigolds or Dwarf Zinnias or Snapdragons might be found of unexpected value. Flower seed production is suffering under the same difficulties that beset all lines not directly concerned with winning the war. Be assured that everything possible is being done to maintain supplies of "Flower Seed for Florists."

Geo. J. Ball.

Costly BACK ORDERING means time lost in starting crops. Rather than keep you waiting for items that are delayed or scarce we will substitute with varieties EQUALLY GOOD OR BETTER unless you say "No Substitute."

Catalog No. 50—January 1945—Business Terms

Note—Cash Discount! Prices quoted on Cyclamen seed and Plant Bands are net, no cash discount. Plant and Bulb prices are net unless quoted differently in special catalogs or lists. Otherwise, when cash is enclosed, a discount of 5% is allowed on all orders from \$1.00 to \$25.00. On \$25.00 and over, 8% is allowed.

Cash should accompany all orders unless credit has been established. C.O.D. shipments 50% in advance. **Important:** Make all checks or money orders payable to **Geo. J. Ball Inc., West Chicago, Illinois.**

Note. Our seed sold only in our printed packets or containers. Order from us only or through our regular agents.

All Prices in this catalog subject to change without notice.

All Seed Orders sent prepaid to U. S. and Canada at catalog prices.

Air Mail Delivery will be made on request if 10c per oz. is allowed for postage, which includes shipping envelopes.

Our address is **West Chicago, Illinois** on Highways U. S. 330 or Illinois 64—
and on Chicago and Northwestern Ry. You are always welcome here.

Half Trade Packets supplied only where so listed.

Our Business Is With Florists Only. We do not sell at retail.

Shortages—All items in this catalog are offered subject to crop failures or shortages.

We Use Every Precaution to supply seeds of highest quality only and promptly refund price paid for same if unsatisfactory with reasonable care.

All seeds sold under Seedsman's disclaimer as follows:

Disclaimer. All Florists know that success with seeds depends largely upon weather and general germination conditions so, in accordance with the universal custom of the seed trade, we, Geo. J. Ball, Inc., give no warranty, express or implied, as to the productiveness of any seeds, bulbs or plants we send out and we will not be in any way responsible for the crop. Our liability, in all instances, is limited to the purchase price of the seeds, bulbs or plants.

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Printed in U.S.A.



Petunia Ball Dwarf Giant No. 1. The finest Giant for pot plant use.

***BALL DWARF GIANT No. 1**

We consider this the finest uniformly dwarf strain available. Produces around 80% extra large, open throated flowers ranging in color from velvety crimson to delicate pink; and is at its very best in a 3 or 4 inch pot. Due to an unfortunate mixup which was directly traceable to the war-riddled help situation, our California grower last year supplied us with a considerable quantity of our No. 2 strain under our No. 1 label. We greatly regret that some of our grower friends received this seed and offer the assurance that every possible effort is being made to avoid these mistakes. $\frac{1}{2}$ Tr. pkt., 75c; Tr. pkt., \$1.25; $\frac{1}{64}$ oz., \$2.50; $\frac{1}{32}$ oz., \$4.50; $\frac{1}{16}$ oz., \$8.00.

Separate Color Varieties

- ***Copper Red, Dark.** Attractive deep coppery crimson.
- ***German Empress.** Bluish white, dark purple throat.
- ***Glamour.** All-America Honorable Mention 1942. A beautiful rich salmon rose, shading lighter toward the throat. Tr. pkt., 75c; $\frac{1}{64}$ oz., \$2.00; $\frac{1}{32}$ oz., \$3.75.
- Prince of Wuerttemberg.** Deep magenta rose; dark throat.

Princess of Wuerttemberg. Light rose pink; veined dark throat.

Rheingold. Large clear white with yellow throat.

Robin Hood. Deep crimson; throat almost black.

***Salmon Beauty.** (Marilyn). Bright pastel salmon pink.

Silvery Rose. Silvery rose pink with lighter throat.

PRICES On All Above Separate Color Giant Varieties Except Where Noted: Tr. pkt., 75c; $\frac{1}{64}$ oz., \$1.35; $\frac{1}{32}$ oz., \$2.50.

PETUNIAS

The Universal Favorite

(200,000 seeds per ounce)

Because of their general excellence under nearly all growing conditions, the demand for Petunias, both for bedding and as pot plants, is steadily increasing. Some varieties, particularly in the Giant and Grandiflora classes, may be in short supply this year due to a lack of the hand labor involved in producing them. Varieties of lesser importance have been temporarily dropped to insure better supplies of the more important kinds.

Your customers will want more Petunias than ever next Spring. Why not offer them quality plants grown in Ball Better Plant Bands?

The California Giants

When properly grown—near the glass and cool, the Dwarf Giants are exceptionally attractive as 3 and 4 inch pot plants. For this purpose our **Ball Dwarf Giant No. 1** is in a class by itself. As this is written the prospect for a fairly large supply of this strain is good.

***Ball Dwarf Giant No. 2.** Ramona Strain. More vigorous in growth than our No. 1 strain, therefore better suited for outdoor bedding work. Produces about 65% large California Giant flowers in a wide range of choice colors. $\frac{1}{2}$ Tr. pkt., 60c; Tr. pkt., \$1.00; $\frac{1}{64}$ oz., \$1.75; $\frac{1}{32}$ oz., \$3.00; $\frac{1}{16}$ oz., \$5.50.

California Giants Mixture No. 5. A very complete and attractive mixture of colors in the tall Giant class. Free flowering and fine for outdoor bedding. Tr. pkt., 75c; $\frac{1}{64}$ oz., \$1.35; $\frac{1}{32}$ oz., \$2.50.

California Giants—Supreme Florists' Strain. Fine bedding mixture in soft shades of pink, rose, and salmon. Tr. pkt., 75c; $\frac{1}{64}$ oz., \$1.50; $\frac{1}{32}$ oz., \$2.75; $\frac{1}{16}$ oz., \$5.00.

Fringed California Doubles

These are superior strains and while they should not be confused with the formerly imported All-Doubles, they will, with proper care and good growing conditions, give a good percentage of large fully double flowers. Choice specimens may be propagated by cuttings, and remember that the weakest seedlings will usually produce the best doubles.

SUPER STRAIN GIANT DOUBLE FRINGED MIXED.

Produces a good percentage of large fully double flowers in a wide range of choice colors. $\frac{1}{2}$ Tr. pkt., \$1.25; Tr. pkt., \$2.00; $\frac{1}{64}$ oz., \$6.50; $\frac{1}{32}$ oz., \$12.00.

Separate Color Varieties

Copper Red.

Crimson. $\frac{1}{2}$ Tr. pkts. and Tr. pkts. only.

Heliotrope.

Madonna. Pure white. $\frac{1}{2}$ Tr. pkts. and Tr. pkts. only.

Rose Pink and White. $\frac{1}{2}$ Tr. pkts. and Tr. pkts. only.

Shepherd's Pride. Salmon shrimp pink.

PRICES: All above varieties, $\frac{1}{2}$ Tr. pkt., \$1.25; Tr. pkt., \$2.00; $\frac{1}{64}$ oz., \$6.50; $\frac{1}{32}$ oz., \$12.00.

All-Double America. An American produced strain. Medium sized carnation-flowered blooms of a pleasing rose pink color. $\frac{1}{2}$ Tr. pkt., \$1.25; Tr. pkt., \$2.50; $\frac{1}{64}$ oz., \$11.00.

THE GRANDIFLORAS

This fairly large flowered type is well adapted for pot plant or bedding use. There are three classes: the medium tall Regular Fringed Grandifloras; the more compact Fringed Dwarf Erfurts and the Ruffled Grandifloras. While all are equally popular, the compact habit and deep fringing of the Dwarf Erfurts makes them of particular value to pot plant growers. A wide range of attractive colors is represented in each class.

Regular Fringed Grandifloras

Dainty Lady. A light cream. The nearest approach to a yellow Petunia. Tr. Pkt., 50c; 1/64 oz., \$1.75.

***Golden Jubilee.** Heavily fringed, bright carmine rose with golden throat. An excellent dwarf variety for pot plants. Tr. pkt., 50c; 1/64 oz., \$1.65; 1/32 oz., \$3.00.

Miranda. Frilled deep carmine scarlet with darker veined throat. Tr. pkt., 50c; 1/64 oz., \$1.50.

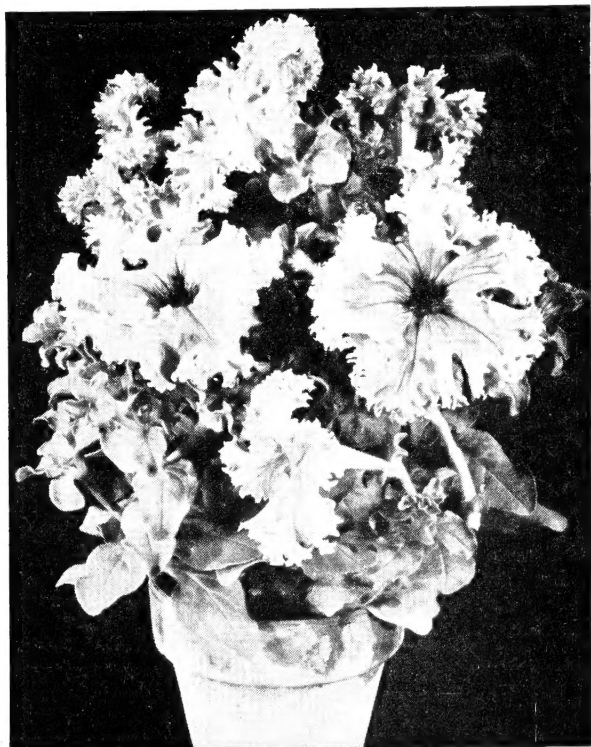
Pink Triumph. Choice clear rose pink, golden throated. Fine bedder. Tr. pkt., 50c; 1/64 oz., \$1.35; 1/32 oz., \$2.50.

Pride of Portland. A shade lighter than Pink Triumph; white throat. Tr. pkt., 50c; 1/64 oz., \$1.50; 1/32 oz., \$2.75.

Romany Lass. Heavily fringed deep crimson; darker throat. Tr. pkt., 50c; 1/64 oz., \$1.35.

***Royal Purple.** Velvety purple with attractively fringed petals. A fine variety. Tr. pkt., 50c; 1/64 oz., \$1.50; 1/32 oz., \$2.75.

***Theodosia Improved.** (Josephine.) Extra large, heavily fringed flowers of brilliant glowing rose with contrasting golden yellow throat. An excellent, vigorous growing Petunia for bedding. Tr. pkt., 50c; 1/64 oz., \$1.35; 1/32 oz., \$2.50.



Petunia Grandiflora Fringed Lace Veil. An extra dwarf free-flowering fringed pure white.



Ball Silver Lilac

***White Beauty.** A strong grower with flowers of finely fringed pure white. A worth-while bedding variety. Tr. pkt., 50c; 1/64 oz., \$1.00; 1/32 oz., \$1.85.

Fluffy Ruffles. An attractive fringed mixture suitable for bedding work. Tr. pkt., 50c; 1/32 oz., \$1.50; 1/8 oz., \$4.75.

Ball Single Fringed Mixture. Extra free flowering and strong growing for mass effects. Tr. pkt., 50c; 1/32 oz., \$1.50; 1/16 oz., \$2.75; 1/4 oz., \$8.00.

***Formula Mixture.** A high-class mixture made up of the best named varieties in the Fringed class. Tr. pkt., 50c; 1/32 oz., \$1.65; 1/16 oz., \$3.00.

The Dwarf Erfurts

***Setting Sun.** Heavily fringed, beautiful deep rose. One of the most popular Dwarf Erfurts. Tr. pkt., 50c; 1/64 oz., \$1.50; 1/32 oz., \$2.75.

***Lace Veil.** Almost identical to Setting Sun except for its pure white flowers. Tr. pkts. only, 50c.

Ball Silver Lilac. A clear light lilac. At its best under spring greenhouse conditions. Tr. pkt., 50c; 1/64 oz., \$1.50; 1/32 oz., \$2.75.

Gaiety. Attractive, irregular rose pink and white markings. Tr. pkt., 50c; 1/64 oz., \$1.50; 1/32 oz., \$2.75.

Gottfried Michaelis. Rich amaranth red; should be used moderately. Tr. pkt., 50c; 1/64 oz., \$1.35; 1/32 oz., \$2.50.

***Dwarf Erfurt Mixture.** Our own well balanced formula mixture of the above varieties. Tr. pkts. only, 50c.

Thriving under nearly all growing conditions with unexcelled brilliance of coloring, Petunias have truly become the "king of bedding plants."

RUFFLED GRANDIFLORAS

***Elk's Pride Dwarf.** Our strain of this always-popular rich velvety purple variety is admirably suited for bedding or porch boxes. Uniform in growth and a ready seller. Tr. pkt., 50c; $\frac{1}{64}$ oz., \$1.50; $\frac{1}{32}$ oz., \$2.50; $\frac{1}{16}$ oz., \$4.50.

***White Queen.** Extra large, wavy pure white flowers and dwarf compact growth make this a truly outstanding Petunia. Fine for bedding or pot plant use. Tr. pkt., 75c; $\frac{1}{64}$ oz., \$1.75; $\frac{1}{32}$ oz., \$3.00; $\frac{1}{16}$ oz., \$5.25.

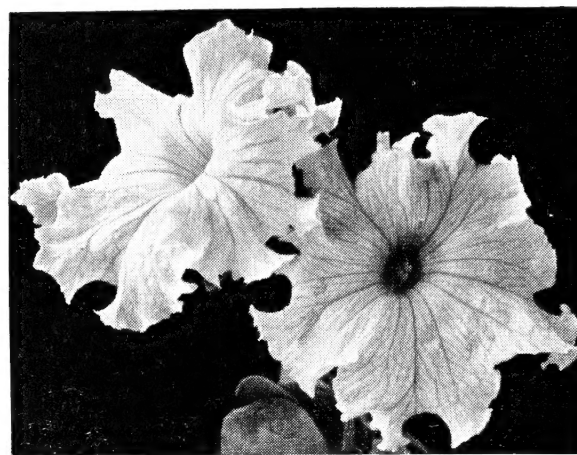
***Snowstorm.** Fine large flowered white. Similar to White Queen. Tr. pkt., 75c; $\frac{1}{64}$ oz., \$1.75; $\frac{1}{32}$ oz., \$3.00; $\frac{1}{16}$ oz., \$5.25.

***White Cloud.** Not quite as large flowered as the above two varieties, but very free flowering. Tr. pkt., 50c; $\frac{1}{64}$ oz., \$1.00; $\frac{1}{32}$ oz., \$1.75; $\frac{1}{16}$ oz., \$3.25.

***Ruffled Velvet.** Large ruffled mahogany red flowers and fairly compact growth make this an attractive variety. Tr. pkt., 50c; $\frac{1}{64}$ oz., \$1.00; $\frac{1}{32}$ oz., \$1.75.

Burgundy. Dark Burgundy wine red with large white throat. Well ruffled. Tr. pkt., 50c; $\frac{1}{64}$ oz., \$1.00; $\frac{1}{32}$ oz., \$1.75.

Dwarf Pink Glory. Glowing carmine rose with white throat. About 60% true large flowered. Tr. pkt., 50c; $\frac{1}{64}$ oz., \$1.25; $\frac{1}{32}$ oz., \$2.00.



White Queen, Extra Large Pure White Finest for Bedding.

Giant Steel Blue. Light bluish white with dark veins. Varies considerably. Tr. pkt., 50c; $\frac{1}{64}$ oz., \$1.00; $\frac{1}{32}$ oz., \$1.75.

***Ruffled Grandiflora Mixture.** Our own formula mixture of the finest varieties in the Ruffled class. Tr. pkt., 50c; $\frac{1}{64}$ oz., \$1.00; $\frac{1}{32}$ oz., \$1.75; $\frac{1}{16}$ oz., \$3.00.

DWARF HYBRIDA PETUNIAS

Most popular and valuable of all types for bedding. Growers of flatted plants use this class almost exclusively because of their dwarf and free flowering habit. Nearly all varieties are excellent for combination boxes.

Ball Ten Best

These fine varieties constitute three-fourths of our demand for Dwarf Hybrid Petunias.

***Celestial Rose Improved.** Deeper rose coloring and slightly larger flowers than the original Celestial Rose. Unexcelled for pot plant work. Tr. pkt., 50c; $\frac{1}{8}$ oz., \$1.00; $\frac{1}{4}$ oz., \$1.75; 1 oz., \$6.00.

Celestial Rose. (Without Eye.) An even deep rose in color, without the lighter throat or "eye" of the regular strain. Tr. pkt., 50c; $\frac{1}{8}$ oz., \$1.00; $\frac{1}{4}$ oz., \$1.75; 1 oz., \$6.00.

***Fair Lady.** A fine large flowered silvery pink; lighter and softer in tone than Celestial Rose. Ideally suited for pot plant use and a fine color under spring greenhouse conditions. Tr. pkt., 35c; $\frac{1}{16}$ oz., \$1.25; $\frac{1}{8}$ oz., \$2.00; $\frac{1}{4}$ oz., \$3.75; 1 oz., \$13.50.

***King Henry.** Deep velvety crimson or mahogany red. Extra dwarf and compact growth make this a choice pot plant variety. For bedding we prefer Velvet Ball. Tr. pkt., 50c; $\frac{1}{32}$ oz., \$1.25; $\frac{1}{16}$ oz., \$2.35; $\frac{1}{8}$ oz., \$4.25; $\frac{1}{4}$ oz., \$8.00; 1 oz., \$25.00.

***Velvet Ball.** Almost identical to the above in color but more spreading in growth and better adapted for bedding use. Tr. pkt., 50c; $\frac{1}{32}$ oz., \$1.35; $\frac{1}{16}$ oz., \$2.50; $\frac{1}{8}$ oz., \$4.50; $\frac{1}{4}$ oz., \$8.25; 1 oz., \$28.00.

***Admiral.** Our finest blue Petunia. Large attractively ruffled flowers with little violet shading—almost clear blue. Ideal for either pots or bedding. Tr. pkt., 50c; $\frac{1}{32}$ oz., \$1.50; $\frac{1}{16}$ oz., \$2.75; $\frac{1}{8}$ oz., \$5.00; $\frac{1}{4}$ oz., \$9.00; 1 oz., \$30.00.

***Topaz Queen.** A remarkable color combination of glowing carmine rose with distinct orange-scarlet overtone. Medium large flowered and striking whether used for bedding or in pots. Tr. pkt., 35c; $\frac{1}{8}$ oz., \$1.00; $\frac{1}{4}$ oz., \$1.75; 1 oz., \$6.00.

***Glow.** A flashing carmine scarlet; makes a brilliant display for mass plantings. We prefer Topaz Queen for pot plant use. Tr. pkt., 35c; $\frac{1}{16}$ oz., \$1.25; $\frac{1}{8}$ oz., \$2.00; $\frac{1}{4}$ oz., \$3.75; 1 oz., \$13.50.

***Heavenly Blue.** An old favorite, and rightly so. Still the best silvery blue in this class. Resembles Celestial Rose in habit of growth. Tr. pkt., 35c; $\frac{1}{8}$ oz., 90c; $\frac{1}{4}$ oz., \$1.50; 1 oz., \$5.00.

***Snow Queen.** Our finest pure white bedding Petunia. Its strong spreading growth and free flowering habit have made it a favorite wherever grown. Tr. pkt., 25c; $\frac{1}{4}$ oz., 60c; 1 oz., \$2.00.

***Ten Best Formula Mixture.** We mix this ourselves, blending the ten best varieties in proportion to their popularity. Fine for spring flat sales. Tr. pkt., 35c; $\frac{1}{16}$ oz., 90c; $\frac{1}{8}$ oz., \$1.65; $\frac{1}{4}$ oz., \$3.00; 1 oz., \$10.00.

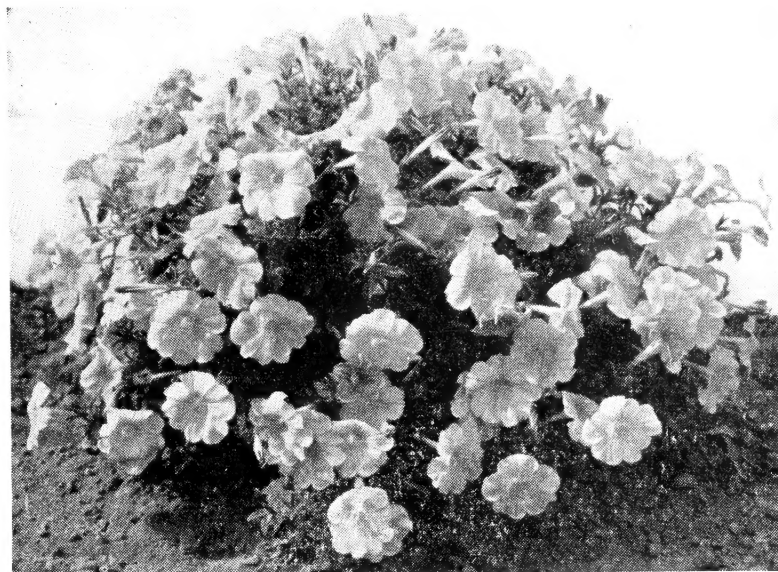
Dwarf Hybridas—Continued

- ***Alderman.** Medium violet-blue. Medium dwarf. Tr. pkt., 25c; ¼ oz., 70c; 1 oz., \$2.50.
- ***Blue Bedder.** Medium violet blue; a fine dwarf bedding variety. Tr. pkt., 25c; ¼ oz., 60c; 1 oz., \$2.25.
- ***Blue Bird.** Another good violet blue for bedding. Tr. pkt., 25c; ¼ oz., 70c; 1 oz., \$2.50.
- Brilliant Rose Gem.** Extra compact deep rose. Rather weak for bedding but fine for pots. Tr. pkt., 35c; ⅛ oz., \$1.00.
- ***Celestial Rose.** (Regular strain.) Extra fine, bright rose with an ideal bushy habit. Tr. pkt., 35c; ⅛ oz., 75c; ¼ oz., \$1.25; 1 oz., \$4.50.
- Cheerful** (All America Winner, 1944). Fairly large clear salmon pink flowers with deeper veining toward throat. Dwarf and compact in growth. Tr. pkt., 50c; ⅛ oz., \$1.65; ¼ oz., \$3.00; 1 oz., \$9.00.
- Cream Star.** Bluntly star shaped creamy white. Tr. pkt., 50c; ⅛ oz., \$1.15; ¼ oz., \$2.00.
- ***English Violet.** A pleasing shade of rosy violet-mauve, with the same vigorous type of growth as Celestial Rose. Uniformly true to color and fine bedding habit. Tr. pkt., 50c; ⅛ oz., \$1.15; ¼ oz., \$2.00.
- ***Igloo.** Makes a perfectly rounded mound of medium sized pure white flowers with faint yellowing in the throat. Ideal for borders or pot plants. Tr. pkt., 50c; ⅛ oz., \$1.15; ¼ oz., \$2.00.
- Norma.** Lavender with white star; dwarf and compact. Tr. pkts. only, 35c.
- ***Rose of Heaven.** Well known standard rose pink for bedding. Tr. pkt., 25c; ¼ oz., 75c; 1 oz., \$2.50.
- Rosy Morn.** Popular rose pink with large white throat. Tr. pkt., 35c; ¼ oz., 75c; 1 oz., \$2.75.
- ***Salmon Supreme.** A distinct color in bedding Petunias with clear salmon pink flowers that make an unusually attractive display. An excellent bedding variety. Tr. pkt., 50c; ⅛ oz., \$1.20; ⅛ oz., \$2.00; ¼ oz., \$3.75.
- ***Twinkles.** Very showy, medium rose pink with white star. A choice compact variety for pots or bedding. Tr. pkt., 25c; ¼ oz., 65c; 1 oz., \$2.25.
- ***White Perfection.** An excellent compact pure white. A little dwarf for mass bedding, but fine for borders or pots. Tr. pkt., 35c; ¼ oz., \$1.00; 1 oz., \$3.75.
- Violacea.** Fairly dwarf deep purple. Tr. pkt., 35c; ¼ oz., 90c; 1 oz., \$3.00.
- Violet Blue.** Deep violet purple. Growth rather restricted for bedding, but fine for pot plants or combination boxes. Tr. pkt., 35c; ⅛ oz., 70c; ¼ oz., \$1.30; 1 oz., \$4.75.
- Windmills Sunrise.** A fine compact deep rose. Originator's packets only. Tr. pkt., 75c.
- ***Dwarf Hybrida Formula Mixture.** A formula blend of the above varieties; not a field grown mixture. Complete and attractive. Tr. pkt., 25c; ¼ oz., 70c; 1 oz., \$2.50.

The Balconies

The Balconies are sometimes used for bedding but more generally for porch box work because of their long trailing growth.

- ***Black Prince.** Rich velvety crimson-red with true Balcony habit. Comes practically 100% true to color. Tr. pkt., 35c; ⅛ oz., 60c; ⅛ oz., \$1.00; ¼ oz., \$1.85; 1 oz., \$6.75.
- ***Blue.** A medium violet-blue. Tr. pkt., 35c; ⅛ oz., 90c; ¼ oz., \$1.65.
- Cornflower Blue.** Similar to above. Tr. pkt., 35c; ⅛ oz., 90c; ¼ oz., \$1.65.
- White Crimson Rose Mixture**
- PRICES on each above four varieties:** Tr. pkt., 35c; ⅛ oz., 75c; ¼ oz., \$1.35; 1 oz., \$4.75.



Petunia Celestial Rose is one of our finest dwarf bedding varieties.

The Tall Hybridas

This vigorous and strong growing class is well adapted for bedding use in localities where growing conditions are unfavorable.

- General Dodds.** An amaranth or deep rose. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.75.
- ***Howards Star Imp.** Medium tall velvety crimson with large white star in each flower. Our strain comes quite true to the starred type. Tr. pkt., 35c; ¼ oz., 90c; 1 oz., \$3.25.
- Lord Courtenay.** (Golden Rose) Deep rose with golden throat. Tr. pkt., 25c; ¼ oz., 60c; 1 oz., \$2.25.
- Topaz Rose.** Brilliant deep carmine rose; about same color as Topaz Queen. Tr. pkt., 25c; ¼ oz., 60c., 1 oz., \$2.00.
- White.** Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.75.
- Exquisite Mixture.** Formula mixture; finer large-flowered varieties predominating. Tr. pkt., 25c; ¼ oz., 60c; 1 oz., \$2.25.

Dwarf Hybrida Ruffled Type

Because of its extra dwarf habit (6 to 8 inches) this type doesn't flower much outdoors where summers are hot, but makes excellent pot plants. Flowers about 2½ inches across.

- Betsy Ross.** Attractively ruffled deep crimson red flowers with irregular white markings and dark red and gold throats. Tr. pkt., 50c; ½ oz., \$1.15; ⅛ oz., \$2.00.
- General Washington.** Same as above, but a deep amaranth red with dark throat. Tr. pkt., 50c; ½ oz., \$1.15; ⅛ oz., \$2.00.
- Martha Washington.** Same as Betsy Ross, but a blush pink with attractively veined throat. Tr. pkt., 50c; ½ oz., \$1.15 ⅛ oz., \$2.00.

Diener's Varieties

We supply originator's packets only on the following varieties:

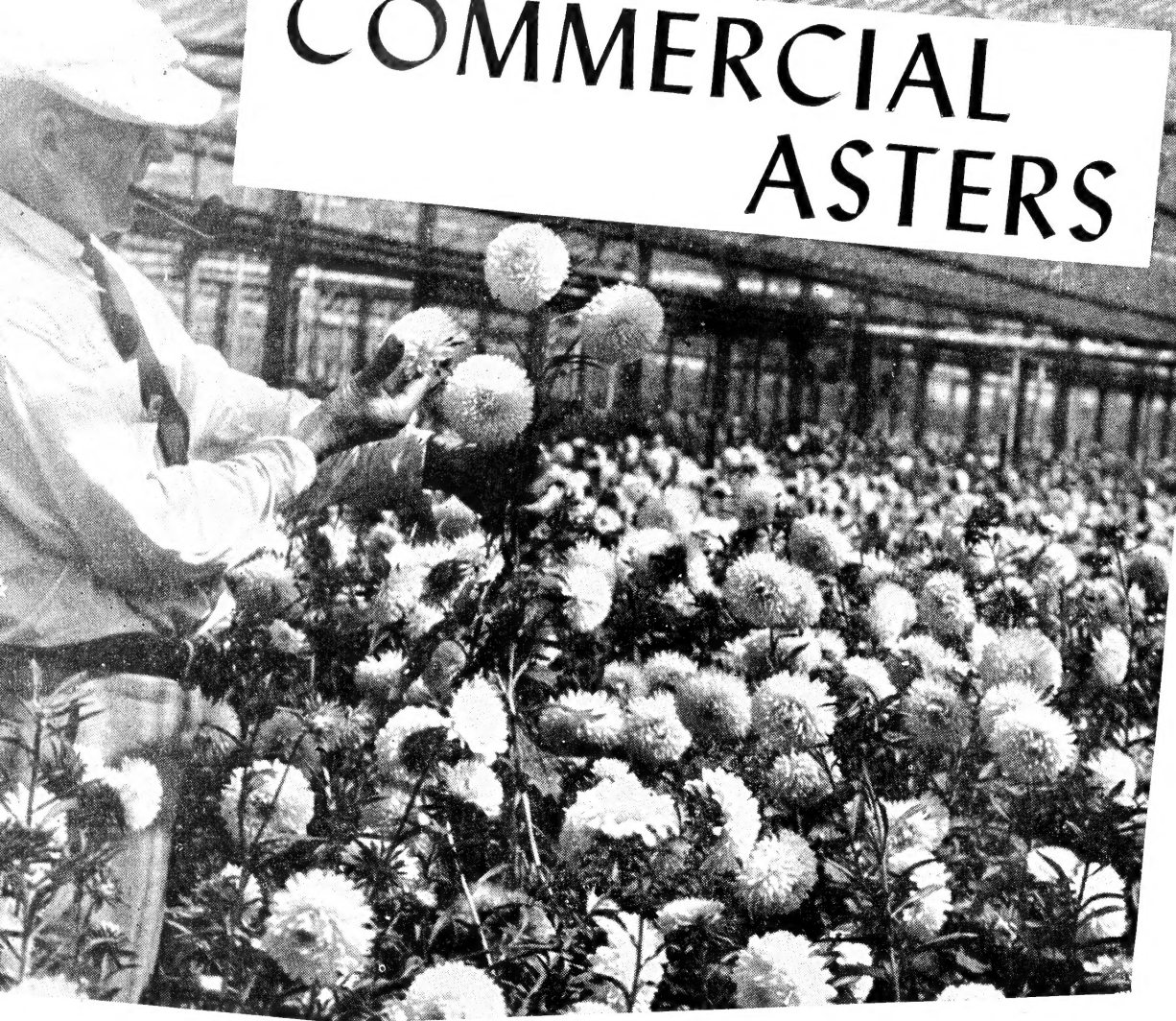
- No. 2—Ruffled Monster Flesh-Pink.** Deep center. Tr. pkt., 50c.
- No. 8—Ruffled Monsters Mixed.** Tr. pkt., 50c; ⅛ oz., \$2.50.
- No. 11—Blue.** Semi-dwarf violet blue. Tr. pkt., 25c; ⅛ oz., \$1.50.
- No. 22—Rose Color.** Tr. pkt., 25c.
- No. 45—Santa Barbara.** Clear flame rose. Tr. pkt., 50c; ⅛ oz., \$2.50.
- No. 47—Jumbo Mixture.** A mixture of Giant types. Tr. pkt., 75c.

COMMERCIAL ASTERS

WILT-RESISTANT

(12,000 seeds per oz.)

All our Aster seed is grown for us in California where conditions are ideal for developing and maturing it. There it is sown direct and gets no transplanting check, resulting in little or no stem rot. This may be a good plan for southern localities, but under middle west conditions it means a late start which results in fairly short stemmed flowers. Our suggestion is to sow thinly in sterilized soil in the greenhouse a month before they can be planted out. Water, if possible, as soon as transplanted.



THE BALL TWELVE BEST

- ***Queen of the Market Azure Blue.** One of the most popular colors in this early flowering class. A clear light lavender blue. Aug. 1 to 5.
 - ***Queen of the Market Deep Rose.** The attractive rich deep rose color of this variety has helped to increase the value of the early blooming Queen of the Markets. Aug. 1 to 5.
 - ***Queen of the Market White.** The earliest worthwhile cut flower white. Good branching habit and especially valuable for indoor growing. Aug. 1 to 5.
 - ***Royal Azure Blue.** An excellent clear light or azure blue that is one of the most used and saleable colors. A fine commercial cut-flower variety. Sept. 5 to 10.
 - ***Royal Shell Pink.** Extra large incurved flowers borne on strong stems of medium length. A clear shade of pastel or shell pink closely resembling the old favorite Semple Pink. Not quite as resistant as some types but an excellent variety. Sept. 1 to 5.
 - ***Ball White Early.** Our own reselected strain of this fine variety. Flowers fully double, very few showing centers even when completely open. One of the most resistant varieties and an excellent commercial sort. Sept. 5 to 10.
 - ***Ball White Late.** Long stemmed and large full petalled flowers, closely following our Ball White Early in flowering season. Sept. 10 to 15. Typically American Branching in flower type and habit. Probably the best mid-season white variety.
 - ***Ball Deep Rose.** Extra long stemmed, large incurved, bright deep rose. This strain has been reselected for more fully double flowers. Continues to be the most popular variety on our list, being well adapted for shipping and handling. Aug. 25 to Sept. 5.
 - ***Ball Deep Purple.** Identical in all respects with our Ball Deep Rose except in color which is a bright deep purple. A better market variety than Royal Purple; brighter flowers and longer stems. Aug. 25 to Sept. 5.
 - ***Branching Azure Blue.** Same color as Royal Azure Blue. Its typical American Branching habit makes it ideal to follow that variety, being a week or two later in flowering. Sept. 15 to 20.
 - ***Early Giant Light Blue.** Extra large and early flowering, with full petalled flowers of the shaggy California Giant type. A very attractive, clear azure or light blue with strong, medium length stems. A fine large-flowered variety for localities with early frost dates. Sept. 15 to 20. Tr. pkt., 35c; 1/4 oz., 80c; 1 oz., \$2.75; 4 oz., \$9.50.
 - ***Heart of France.** Distinctive scarlet-crimson color with fully double medium sized flowers. Similar to American Branching in type, and the only worth-while "red" Aster for commercial cut-flowers. Sept. 10 to 15.
 - ***12 Best Mixture.** Our own high-class formula mixture made up by ourselves of the above varieties in proportion to their commercial value. Choice and well balanced.
- PRICES** on all the above "12 Best" Rot-resistant Aster varieties except Early Giant Light Blue are as follows: Tr. pkt., 30c; 1/4 oz., 60c; 1 oz., \$1.85; 4 oz., \$6.50.
- SPECIAL OFFER.** For growers who are interested in trying all the 12 Best varieties separately rather than in mixture, we offer a tr. pkt. of each for \$3.40.

BALL WILT-RESISTANT ASTERS

ANEMONE OR CRESTED. These types have crested or cushioned anemone centers, forming fairly hard flowers suited for shipping. Our trials show most of them to be rather uncertain in wilt-resistance.

***Aurora Golden Sheaf.** Large flowered with outer petals a creamy white shading toward a deeper yellow cushion. A popular commercial variety.

***Princess Marsha.** Deep rose shading to crimson.

***Princess Anne.** Light rose-pink with cream cushion.

***Princess Bonnie.** Silvery-rose with golden center deepening as flower matures.

Prices on the Above Four Varieties: Tr. pkt., 35c; ¼ oz., 80c; 1 oz., \$2.75; 4 oz., \$9.50.

PRICES on all following varieties except as otherwise noted:
Tr. pkt., 30c; ¼ oz., 60c; 1 oz., \$1.85; 4 oz., \$6.50.

QUEEN OF THE MARKET. Popular early flowering class but not so resistant to rot as the stronger growing, later classes. The three finest varieties will be found in our 12 Best list.

Dark Blue. Rather deep rich shade of purple.

Flesh Pink. Shell pink; deepening as it matures.

Mid Blue. Between the popular Azure and Dark Blue.

Crimson. Plant moderately of this heavy color.

THE ROYALS. Second early, closely following Queen of the Markets. Excellent size, stems and color in this profitable class. See also our 12 Best list.

Purple. Bright purple; prefer Ball Deep Purple.

White. A good white, but Ball White Early is preferred.

KING OR NEEDLE TYPE. Attractively quilled or needle-like petals give these flowers an outstanding appearance. Largely used for long distance shipping because of their durability. Mid-Sept.

***King Rose.** (Non-resistant.) Fine deep rose.

***King Violet.** (Non-resistant.) A rich and striking color.

***King White.** Popular commercial color.

AMERICAN BRANCHING. The standard mid-season class, flowering with us around mid-Sept.

***Ball Phlox Pink.** A fine long-stemmed, light rose-pink, deepening as flowers mature.

***Deep Rose.** Long stems and fine large flowers.

***Purple.** Rich violet-purple. Long stemmed.

Simple Pink. Standard shell pink variety.

***White.** Excellent cut-flower white; true branching type.

EARLY BEAUTIES. A very fine, slightly incurved, long stemmed class that always flowers in time to escape the average first frosts of the middle states.

***Azure Fairy.** A fine long-stemmed and large flowered fairly deep azure blue.

Crimson. Color similar to Heart of France.

Deep Rose. A fine deep rose.

Purple. Long stemmed, deep purple.

Shell Pink. (September Beauty.) Delicate light pink.

***Silvery Rose.** Large flowered light rose. An excellent, long stemmed commercial variety. Tr. pkt., 35c; ¼ oz., 80c; 1 oz., \$2.75; 4 oz., \$9.50.

***White.** Long stemmed and very choice.

SHAGGY TYPES. This includes the Early California Giants and the Cregos. Both have attractively interlaced petals producing a rather informal or fluffy effect.

Early Giant Peach Blossom. Same as Early Giant Light Blue in 12 Best list, but a pleasing light pink. Tr. pkt., 35c; ¼ oz., 80c; 1 oz., \$2.75; 4 oz., \$9.50.

***Early Giant Rose Marie.** An excellent large flowered, bright deep rose. One of the most valuable varieties in this Early Giant class. Sept. 15 to 20. Tr. pkt., 35c; ¼ oz., 80c; 1 oz., \$2.75; 4 oz., \$9.50.

California Giant Dark Purple. Highly resistant rich purple. Sept. 25 to Oct. 1. Tr. pkt., 35c; ¼ oz., 80c; 1 oz., \$2.75; 4 oz., \$9.50.

***Crego Azure Blue.** Fine light blue; large flowers and long stems. Sept. 10 to 15.

***Crego Blue Flame.** Resistant, deep bright blue. Sept. 5 to 10.

***Crego Deep Rose.** Fine large-flowered variety. Sept. 10 to 15.

***Crego Orchid.** Attractive orchid lavender. Sept. 5 to 10.

Crego Peach Blossom. Light rose deepening as flowers open. Sept. 10 to 15.

Crego Shell Pink. Light clear pink. Sept. 10 to 15.

***Crego White.** Excellent pure white. Sept. 5 to 10.

STANDARD RESISTANT MIXTURES

Queen of the Market Mixture.

American Branching Mixture.

American Beauty Mixture.

King Type Mixture. (Non-resistant.)

All Double Varieties Mixed. Covers a wide range of types and colors for growers who sell large quantities of mixed Aster plants. No singles.

PRICES on all above mixtures. Tr. pkt., 30c; ¼ oz., 50c; 1 oz., \$1.75; 4 oz., \$6.00.

Single Rainbow Mixture. (Special florists' strain.) An attractive mixture of large flowered (3 to 5 in.) single blooms. Tr. pkt., 30c; ¼ oz., 45c; 1 oz., \$1.50; 4 oz., \$5.00.

Crego Mixture.

Royal Mixture.

Comet Mixture.

NON-RESISTANT VARIETIES

California Giant Mixed. Choice blend of large, fully double "shaggy petalled" flowers. Long stemmed. Late Sept. Tr. pkt., 30c; ¼ oz., 75c; 1 oz., \$2.25.

Giant California Sunshine Mixed. Attractive assortment of colors in this large flowered anemone type. Has small center cushion with long ray petals. Tr. pkt., 30c; ¼ oz., 75c; 1 oz., \$2.25.

Super Giant Los Angeles. Extra large, soft shell pink. Tr. pkt., 35c; ¼ oz., 85c; 1 oz., \$3.00.



Anemone Aster Princess Bonnie

BETTER ZINNIAS

There's Money in Zinnias for Cutting and Bedding

If Zinnias for cutting are grown under the protection of cloth or glass, they become longer stemmed and finer than is possible in the open. Both the Dahlia Flowered Class and the Lilliputs are unexcelled for this purpose. While they come best when sown direct where they are to flower, most home gardeners prefer to buy started plants. You'll do your customers a real service and realize a better profit for yourself by offering them sturdy plants grown in Ball Better Plant Bands instead of the usual spindly transplants.

DAHLIA FLOWERED CLASS

(2500 seeds per ounce)

Flowers of this class are deeper with central petals incurved. This is the generally preferred type.

***Canary Bird.** A bright, clear canary yellow.

***Crimson Monarch.** Large flowered deep crimson red.

***Dream.** An attractive medium orchid lavender.

Eldorado. Salmon-apricot with some color variation.

***Exquisite.** Fine medium rose pink with deeper center.

***Golden Dawn.** Clear golden yellow. A good variety.

***Golden State.** A rich orange-yellow. Considerably deeper than Golden Dawn.

Illumination. A deep rose; darker than Exquisite.

Meteor. Rich deep amaranth red. A striking color.

Old Rose. Old or dusty rose overlaid with some copper-orange shading.

***Oriole.** Fine orange and gold bicolor.

Polar Bear. Large creamy white

Purple Prince. Deep purple; large-flowered.

***Scarlet Flame.** The finest bright scarlet. Very showy.

PRICES on all above varieties each: Tr. pkt., **25c**; ¼ oz., **45c**; ½ oz., **75c**; 1 oz., **\$1.25**; 4 oz., **\$4.00**; 1 lb., **\$14.50**.

SPECIAL OFFER: We furnish a collection consisting of 1 tr. pkt. each of the above 14 varieties for **\$2.75**. We can also furnish a collection consisting of a tr. pkt. each of any 10 varieties (your choice) for **\$2.00**.

***GOLD MEDAL MIXTURE.** We believe this is the finest complete mixture of large flowered Zinnias available. This is not a field grown mixture but is carefully blended by formula from first class cut flower colors and varieties in direct proportion to their commercial value.

***INDIAN SUMMER MIXTURE.** An unusually attractive giant flowered mixture. Bright reds, yellows and oranges predominate to make up this fine assortment of "Indian Summer" colors.

PRICES On Above Mixtures, Each: Tr. pkt., **25c**; ¼ oz., **45c**; ½ oz., **75c**; 1 oz., **\$1.25**; 4 oz., **\$4.00**; 1 lb., **\$14.50**.

GIANT MAMMOTH

(California Giant)

Flowers are some larger in diameter but not so deep and full as are the Dahlia Flowered.

Brightness. Bright, clear rose pink.

Cherry Queen. (Cerise Queen) Brilliant orange-cerise or cherry-rose.

Daffodil Improved. Clear canary yellow.

Golden Queen. Bright golden yellow.

Grenadier. Fairly deep crimson red.

Lavender Queen. Medium rosy lavender.

***Miss Wilmott.** Pleasing, soft pastel pink.

***Orange King.** A bright orange with scarlet shading.

Pink Profusion. Soft pink shades.

***Purity.** The best white in large flowered Zinnias.

***Rose Queen.** Deep rose; a striking color.

Scarlet Queen. Intense bright scarlet.

Violet Queen. Deep violet-purple.

Mixture. A balanced formula mixture of all Giant Mammoth varieties.

PRICES On Above Varieties and Mixture, Each: Tr. pkt., **25c**; ¼ oz., **40c**; ½ oz., **65c**; 1 oz., **\$1.10**; 4 oz., **\$3.60**; 1 lb., **\$13.50**.

SPECIAL OFFER. We offer one trade packet each of the above 13 varieties for **\$2.55**.

MISCELLANEOUS ZINNIA TYPES

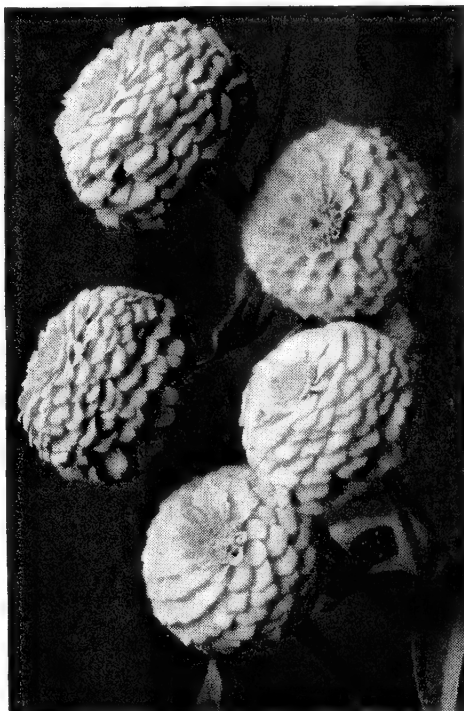
LILLIPUT OR POMPON

Small, nicely rounded pompon type flowers that make excellent cutting material when the stems are drawn some by cloth or glass protection. Attractive for bedding in the open where they attain a height of 12 to 14 in. under middle states conditions.

- | | |
|---|----------------------------------|
| Black Ruby. Deep velvety maroon. | *Rosebud. Fine deep rose. |
| *Canary Gem | *Salmon Gem |
| Crimson Gem | *Scarlet Gem |
| Golden Gem | Valencia. |
| *Lilac Gem | Burnt-orange. |
| *Pink Gem | White Gem |
| Purple Gem | Formula Mixture. |
| | All colors. |

PRICES on all above Lilliput varieties and mixture: **Each:** Tr. pkt., 15c; ¼ oz., 35c; ½ oz., 60c; 1 oz., \$1.00; 4 oz., \$3.20; 1 lb., \$10.00.

Special Offer. Tr. pkt., of each of the 12 Lilliput varieties for \$1.50.



Zinnia Lilliput

FANTASY TYPE

Informally curled and interlaced petals produce a graceful effect that is lacking in most types. Fairly long stemmed; nice for cutting.

***Rosalie.** Bright intense rose; long stemmed for cutting.

Orange Lady. A deep bright orange. Uniformly even stock.

***Star Dust.** A bright deep golden yellow.

***Wildfire.** Dazzling scarlet; a strikingly brilliant color.

Mixture. Formula mixture of all colors in this class.

PRICES on above Fantasy varieties and mixture, each: Tr. pkt., 25c; ¼ oz., 40c; 1 oz., \$1.10.

Costly BACK ORDERING means time lost in starting crops. Rather than keep you waiting for items that are delayed or scarce we will substitute with varieties **EQUALLY GOOD OR BETTER** unless you say "No Substitute."

PUMILA TYPE

This class is midway between the Giants and Lilliputs in size. Nice for cutting or bedding.

- | | |
|---|----------------------|
| Canary Yellow | *Salmon Rose |
| Fire Ball (Scarlet) | Golden Orange |
| Mixture of all colors in this class. | |

PRICES on above varieties and mixture, each: Tr. pkt., 15c; ¼ oz., 25c; 1 oz., 75c

NOVELTY VARIETIES

Under this heading are grouped what we have found to be the best of the various odd-flowered and odd-colored types. Not all are equally true to type, but they do add interest and novelty to any planting, and growers of bedding plants should not overlook them.

Gracillima. (Red Riding Hood) Freely produces large numbers of small bright crimson flowers. Fine for bedding. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.50.

Haageana Double Hybrids. Especially valuable for bedding. Extra compact and literally covered with small mahogany flowers charmingly variegated gold and orange. Tr. pkt., 25c; ¼ oz., 60c; 1 oz., \$2.00.

Scabious-Flowered. Fairly tall with some cut-flower value. An Anemone-flowered type with crested center. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.50.

Gaillardia-Flowered or Navajo. Attractive two-tone combinations of rose, bronze, yellow and orange. Medium sized flowers. Tr. pkt., 25c; ¼ oz., 40c; 1 oz., \$1.35.

Cupid Mixture. Dwarf, extra small flowered type valuable for borders and rock gardens. Tr. pkt., 15c; ¼ oz., 30c; 1 oz., \$1.00.

Linearis. Compact (6 to 8 in.) early flowering with single bright orange flowers. Tr. pkt., 25c; ¼ oz., 60c; 1 oz., \$2.00.

Pastel Tints. (Super Crown O'Gold) A mixture of two-tone pastel colors with base of each petal colored a buff or yellow shade. Quite large flowered and a good cut flower. Tr. pkt., 15c; ¼ oz., 30c; 1 oz., \$1.00.

BALL CALENDULA

(3,000 seeds per oz.)

If the dwarf kinds are started early they are showy for bedding except where summer heat is excessive. The "Ball" class will flower freely during the spring months from a January sowing.

BALL GREENHOUSE VARIETIES

- *Ball Improved Long Orange.** The longest stemmed and largest flowered variety. Bright golden orange with light eye.
- *Ball Masterpiece.** Deep glowing orange with dark eye.
- *Ball Lemon Queen.** Lemon yellow with contrasting brown eye.
- *Ball Gold.** Deep golden yellow with light eye.
- Ball Long Orange.** Extra deep, intense orange. Light-eyed.
- Ball Sensation.** Similar to above.
- Ball Apricot.** Our own improved strain of this attractive dark-eyed, buff colored variety.
- Campfire.** Popular deep orange.

PRICES on All above varieties **Each:** Tr. pkt., 40c; ¼ oz., 60c; 1 oz., \$2.00; 2 oz., \$3.50; 4 oz., \$6.50.

***Ball Formula Mixture.** Carefully made up of our named varieties with fully half orange.

Ball Art Shades Mixture. Contains many original and unusual shades and interesting bi-colors.

PRICES on Above Mixture Only **Each:** Tr. pkt., 35c; ¼ oz., 50c; 1 oz., \$1.50; 4 oz., \$5.00.

DWARF BEDDING VARIETIES

Sunshine (Chrysanth). Loose petalled bright yellow.

Radio. Attractive bright orange; quilled petals.

Radio Golden Beam. Yellow selection of above.

Lemon Queen. Light lemon yellow.

***Orange King.** Deep orange with dark eye.

***Ball Bedding Mixture.** Well proportioned dwarf mixture.

PRICES on All above varieties and mixture: Tr. pkt., 15c; ¼ oz., 25c; 1 oz., 85c; 4 oz., \$2.40; 1 lb., \$7.00.

FLORISTS' MARIGOLDS

(10,000 seeds per oz.)

The modern Marigolds of today include some of the finest examples of the plant breeder's art; they are truly florists' flowers. In their various forms and habits, they adapt themselves to cutting, pot plants, especially for combinations, and the Dwarf French type are showy for bedding. For any purpose their rich, warm coloring is ever appealing. Nearly all classes are readily flowered indoors in April and May from a January or February sowing using raised beds and a Carnation house temperature. Most popular of the Giant African strains for cutting is the "All-Double." In growing any Marigolds under glass they must not be checked especially thru over-watering or low temperature. When this happens, they come to a standstill forcing them into buds without sufficient growth.

BALL SIX BEST

The following six varieties are the most popular cut flower kinds on our list and under average conditions we believe they represent the most profitable sorts to grow for this purpose.

***All Double Orange.** This belongs to the *Fistulosa* or large flowered, solid quilled-petal type. Produces 85 to 90% double flowers, being preferred to *Prince of Orange* on this account. An excellent, long-stemmed cut flower strain that finds considerable use planted close and grown single-stemmed for spring greenhouse flowering.

***All Double Lemon.** Identical to the above strain, but a clear lemon yellow.

***All Double Mixture.** A mixture of the two All Doubles listed above with some intermediate shades.

***Guinea Gold.** A carnation flowered deep golden orange, long-stemmed. Freely produces, loosely petalled flowers, 3 inches in diameter. Fine for cutting.

***Yellow Supreme.** A bright lemon yellow, carnation flowered type similar to *Guinea Gold*, but slightly shorter stemmed. Sufficiently long though for greenhouse cut flower work.

***Gold Improved.** Excellent for greenhouse forcing, being larger flowered and longer stemmed than the original strain. Odorless.

Six Best Mixture. Our own carefully compounded formula mixture of the above varieties balanced according to their commercial value.

PRICES on above six varieties & mixture, each: Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.60; 4 oz., \$5.50.



Marigold, Mission Giant.

***Sunset Giants.** An extra large Carnation flowered strain. Long stemmed and the largest flowered variety we know of. Ranges from lemon to deep orange and is around 65 to 75% true to type. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.75; 4 oz., \$5.50.

Orange Sunset. A bright orange selection from *Sunset Giants*. A first class variety. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.75.

Crown of Gold. A small odorless crested Mum type with row of guard petals. Golden yellow; rather weak under hot summer conditions. Tr. pkt., 20c; ¼ oz., 40c; 1 oz., \$1.25.

Josephine. Small flowered deep rich mahogany single. 24 inches. Tr. pkt., 20c; ¼ oz., 30c; 1 oz., \$1.00.

MISSION GIANTS. Under our outside conditions this outstanding new type Marigold produces almost perfect ball shaped, chrysanthemum-like blooms about 3 inches in diameter. Exceptionally vigorous and free branching in growth.

Goldsmith. A very attractive bright golden orange in this new class. Tr. pkt., 30c; ¼ oz., 60c; 1 oz., \$2.00.

Yellowstone. Same as above but a clear rich yellow. A very pleasing color. Tr. pkt., 30c; ¼ oz., 60c; 1 oz., \$2.00.

Mission Giant Mixed. A well balanced mixture in this new type; ranges from deep orange to light yellow. Tr. pkt., 25c; ¼ oz., 45c; 1 oz., \$1.70.

WINTER FLOWERING. This class is of value for winter flowering from a fall sowing and will not flower during summer months.

Australian Tree. Golden yellow crest with mahogany guard petals. Tr. pkt., 25c; ¼ oz., 40c; 1 oz., \$1.35.

Lieb's Brown and Gold. Similar to above. Tr. pkt., 25c; ¼ oz., 60c; 1 oz., \$2.00.

Lieb's Winter Sunshine. Similar to above two but a solid golden yellow. Tr. pkts. only, 25c.

OTHER CUT FLOWER VARIETIES

Prince of Orange, Imp. Bright orange of true quilled-petalled *Fistulosa* type. Produces 60 to 70% fully double, balance semi- and single. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.60.

Lemon Queen Improved. Same as above but bright lemon yellow. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.60.

Golden Emblem. Same type as above two. A rich golden color midway between them. Tr. pkt., 25c; ¼ oz., 40c; 1 oz., \$1.35.

Golden Eagle. A bright gold carnation flowered type midway between *Guinea Gold* and *Yellow Supreme*. Tr. pkt., 20c; ¼ oz., 30c; 1 oz., \$1.00.

DWARF BEDDING MARIGOLDS

(9,000 seeds per oz.)

This group embraces many colorful and useful types including attractive singles and solid doubles as well as the increasingly popular scabious or anemone flowered varieties. All are excellent for spring flat sales, combination work or bedding.

FOUR FAVORITES

***Spry.** Extra dwarf and free flowering. Medium small anemone type flowers with golden crest and contrasting dark red guard petals. Exceptionally attractive.

***Ball Dwarf Harmony.** The medium small anemone type flowers of this fine dwarf variety present a striking contrast in bright orange and velvety maroon.

***Butterball.** A very choice fairly dwarf anemone-flowered variety. Crest and guard petals a light golden or butter yellow faintly tipped with maroon.

***Sunkist.** Uniformly dwarf and compact with solid, deep golden orange anemone type flowers about an inch in diameter.

4 Best Dwarf Mixed. Our own carefully balanced mixture of the above varieties.

PRICES on above four varieties and mixture: Tr. pkt., 25c; 1/4 oz., 50c; 1 oz., \$1.75; 4 oz., \$5.50.

***Melody.** A solid clear golden orange anemone flowered type that improves Golden Harmony. Tr. pkt., 25c; 1/4 oz., 45c; 1 oz., \$1.50.

***Harmony.** Attractive scabious or anemone type flowers with orange crest and maroon guard petals. Tr. pkt., 15c; 1/4 oz., 30c; 1 oz., \$1.00; 4 oz., \$3.00.

Golden Harmony. Very similar to Harmony in flower type and habit but a solid bright golden yellow. Tr. pkt., 25c; 1/4 oz., 50c; 1 oz., \$1.75; 4 oz., \$5.50.

Harmony Hybrids. An attractive mixture of colors in the dwarf double type. Tr. pkt., 15c; 1/4 oz., 30c; 1 oz., \$1.00; 4 oz., \$3.00.

Monarch Golden Ball. Dwarf 12 to 15 in. Fully double closely-petalled golden orange. Tr. pkt., 15c; 1/4 oz., 30c; 1 oz., 90c.

Monarch Mixed. A bright mixture of orange, yellow and mahogany colors in this fully double rounded flower class. Tr. pkt., 15c; 1/4 oz., 30c; 1 oz., 90c; 4 oz., \$2.90.

Royal Scot. (All Double) Showy, fully double flowers striped gold and mahogany. Tr. pkt., 25c; 1/4 oz., 50c; 1 oz., \$1.75.

***Yellow Pygmy.** Excellent, very free flowering dwarf Marigold, 6 to 8 in. Double lemon yellow and practically 100% true. Tr. pkt., 20c; 1/4 oz., 35c; 1 oz., \$1.25.

Robert Beist. Dwarf double, deep rich mahogany-red. Nice. Tr. pkt., 15c; 1/4 oz., 25c; 1 oz., 75c.

Pallida. Dwarf double lemon yellow. Tr. pkt., 20c; 1/4 oz., 30c; 1 oz., 90c.

***Dwarf French Double Mixed.** An extremely gay and colorful mixture of dwarf double sorts. Tr. pkt., 15c; 1/4 oz., 30c; 1 oz., \$1.00; 4 oz., \$3.00; 1 lb., \$10.00.

***Firecross.** Dwarf single. An attractive light orange with red center. Tr. pkt., 15c; 1 oz., 65c; 4 oz., \$2.00.

***Legion of Honor.** Very similar to Firecross, but lighter in color. Tr. pkt., 15c; 1 oz., 65c; 4 oz., \$2.00.

Gnome. (Little Giant Improved.) A uniformly dwarf, bushy. Mexican type. Freely produces small single bright orange flowers. Tr. pkt., 20c; 1/4 oz., 35c; 1 oz., \$1.25.

Flash. Single mahogany flowers with golden yellow margins, carried on medium dwarf plants. Early and free flowering. Tr. pkt., 50c; 1/8 oz., 75c; 1/4 oz., \$1.25; 1 oz., \$3.75.

ANNUAL LARKSPUR (8,000 seeds per oz.)

For outdoor growing Larkspur should be sown as early as the soil can be handled. In addition to its use in the fresh state, this item makes a very satisfactory dried flower. The laterals, which are best to use, should be cut just after the top flower is open and before the bottom flowers are too old. After cutting they should be placed in water for an hour or two, then bunched and hung upside down in a dry dark place where they will dry thoroughly in a week or ten days. Dried in this way Larkspur will not shatter and remains in good condition a long time.

SIX BEST CUTTING VARIETIES

Our own market experience, as well as seed demands, indicates that these represent the most satisfactory commercial varieties. All are base branching.

***Blue Bell.** Clear mid-blue; excellent.

***Blue Spire.** Deep violet blue.

***Sweet Lavender.** Clear, even lavender.

***Gloria Imp.** Extra fine, deep rose.

***Rosalind.** Shatter-proof, salmon rose.

White King. Finest pure white.

***6-Best Mixture.** A formula mixture of these 6 varieties.

BASE BRANCHING OR IMPERIAL VARIETIES

Carmine King. Bright carmine-rose.

***Coral King.** Pleasing, soft coral rose.

Daintiness. Pale lavender.

***Dazzler.** Rich carmine-scarlet.

***Exquisite Pink Imp.** Fine soft pink.

***Lilac King.** Lighter than Sweet Lavender.

***Lilac Queen.** Rich deep lilac-lavender.

Los Angeles Imp. Bright salmon rose.

***Miss California.** Pleasing, salmon pink.

***White Cockade.** Fine, fully double.

White Spire. Clear white.

***Formula Mixture** of above varieties.

PRICES on All Above Varieties Including mixtures and the Six Best: Tr. pkt., 25c; 1/4 oz., 40c; 1/2 oz., 65c; 1 oz., \$1.10; 4 oz., \$3.60; 1 lb., \$11.00.

STOCK FLOWERED VARIETIES

Dark Blue. Rather deep violet-blue.

***Lilac Supreme.** A clear deep lilac.

Lilac Improved. Attractive, mid-lilac.

Mauve Beauty. Med. lavender-mauve.

***Rosamond.** Excellent, deep rose.

Los Angeles. Bright salmon-rose.

Rose Queen. Attractive rose-pink.

Sky Blue. A light blue.

***Tempest.** Brilliant deep blue.

White. Prefer White King.

Formula Mixture of above varieties.

PRICES on All Above Stock-flowered varieties and Mixture: Tr. pkt., 25c; 1 oz., 95c; 4 oz., \$3.20; 1 lb., \$9.60.

SUPER MAJESTICS

A new class, stronger and taller in growth than the base branching type.

***Rose Pink.** A rich bright rose-pink.

***White.** Large flowered, clear white.

***Lavender.** A medium rosy lavender.

Mixture of above colors.

PRICES on All Above Super Majestic Varieties and Mixture: Tr. pkt., 35c; 1/4 oz., 50c; 1 oz., \$1.50; 4 oz., \$5.00; 1 lb., \$15.00.

GIANT HYACINTH FLOWERED

Produces one long non-branching spike.

Dark Blue, Pink, Purple, White, Mixed

PRICES on All Above Varieties including Mixture: Tr. pkt., 35c; 1/4 oz., 50c; 1 oz., \$1.60; 4 oz., \$5.20; 1 lb., \$16.00.

BALL BETTER FORCING VARIETIES

FOR GROWING OUT-DOORS. We find the forcing or early class best for this purpose, especially if the strong growing kinds are used. Not only are they earlier flowering than most of the Summer class but the colors are much more complete and more uniform. However, the original or resistant strains should be used for out-door work where rust prevails for the forcing kinds have less resistance to it. For out-door work in our latitude, we find that a February 1st sowing grown as cool as possible in 3 to 4 in. pots and planted out in May under cloth will produce excellent flowers by late June. While we obviously have no control over the amount of seed in originators' packets, all of our own contain at least 2000 seeds.

WHERE PRICE IS: \$1.00 per pkt., we supply **ANY 3** for \$2.50; **ANY 5** for \$3.50; **ANY 7** for \$4.55. For \$1.50 pkts., we supply **ANY 3** for \$4.00; **ANY 5** for \$6.50. For \$2.00 pkts., we supply **ANY 3** for \$5.00; **ANY 5** for \$7.50. ½ tr. pkts. of any variety priced at \$1.00 are supplied at 60c; ½ pkts. of \$1.50 varieties, \$1.00. No ½ pkts. on \$2.00 varieties **EXCEPT WHERE NOTED.**

PLEASE NOTE

Due to a shortage of help necessary to produce them, the following Snapdragon varieties are at present sold out and will not be available until the new crop is ready about June 1st. All orders placed in advance will be filled in rotation when seed is received.

Christmas Cheer. Tr. pkt., \$2.00. Suggest Yoder's No. 33 as substitute.

Better Times. Tr. pkt., \$2.00.

Maryland Pink. ½ Tr. pkt., \$1.75; Tr. pkt., \$3.00. No quantity discount on this variety.

White Wonder Improved (Ball). Tr. pkt., \$1.50. Koester's White is a satisfactory substitute.

Gilbert's Pink. Tr. pkt., \$1.50. Similar to Rose Queen.

Westover's Fringed White Early. Tr. pkt., \$1.50. The regular strain of this is nice for late Spring.

La France (Windmillers'). Tr. pkt., \$1.50.

Snow White (Windmillers'). Tr. pkt., \$1.00.

OUR 12 BEST

(For Spring Flowering)

Careful attention, in the light of shortages existing in several varieties, has been given to making up this list. We believe that it contains the finest available varieties for Spring and early Summer blooming.

Peace (Ball). We consider this the finest pure white Snap of all. Clean vigorous growth with excellent spikes. Tr. pkt., \$1.50.

Koester's White. Excellent early pure white. Tr. pkt., \$1.50.



Our new white Snapdragon "Peace"

No. 33 (Yoder's). A clean growing, beautiful light rose pink Cheviot Maid selection. Tr. pkt., \$1.50.

Peggy Schumann. Clean growing, extra fine creamy rose. Tr. pkt., \$2.00.

St. Louis Early Pink. Clear light pink. Long spikes and fine for Spring. Tr. pkt., \$1.50.

Marie Louise. Beautiful light shell pink; uniformly even growth. Tr. pkt., \$2.00.

Klondyke Supreme. Rich deep yellow. A vigorous growing, large flowered variety. Tr. pkt., \$1.00.

New Cincinnati. Medium rose pink. Long spikes and long stiff stems. Tr. pkt., \$1.00.

Afterglow. Still one of the finest orange bronze varieties for Spring. Tr. pkt., \$1.00.

Glorious. Strikingly brilliant. A more intense Afterglow color. Tr. pkt., \$1.50.

Ball Lavender. Long stemmed and strong growing with long, heavy spikes of pleasing orchid lavender. Tr. pkt., \$1.50.

Ball Supreme Red. A rich, velvety crimson with no objectionable magenta shading. Tr. pkt., \$1.50.

Ball Forcing Mixture. Carefully blended from our 12 Best varieties. Tr. pkt., \$1.00.

OTHER GOOD VARIETIES

	Tr. Pkt.
* America. Very attractive rose and orange bi-color.....	\$1.50
Appleblossom (Windmillers'). Clear medium pink.	
Originator's packets.....	1.00
Ball Dwarf White. Nice dwarf white for pots.....	1.00
Ball Early Pink. Early flowering rose pink.....	1.00
Bertha Baur. Prefer Ball Lavender.....	1.50
Bronze Christmas Cheer. Golden bronze and apricot combination. Originator's packets.....	2.00

Florists' Snaps

Forcing Varieties—(Continued)

	Tr. Pkt.		Tr. Pkt.
Carol Jean. Light, creamy yellow. Originator's packets	\$2.00	Radiance. Extra early rose pink	\$1.00
Ceylon Court Dark. Standard yellow	1.00	Rose Pink Cheviot (Windmiller's). Deep rose	1.50
*Cheviot Maid Reselected (Ball). Our own improved strain of this popular rose pink	1.00	*Rose Queen. Standard deep rose for spring	1.00
Coates Yellow Perfection. Fine spring-flowering yellow	1.00	Schaffroth's Pink. Long stemmed pink; color varies	2.00
Daybreak. Clear light pink	1.00	*Schaffroth's White. Excellent variety; long stemmed	1.50
*Ethel. Clean growing, medium deep yellow	1.50	Schumann's Lavender. Popular Spring variety	2.00
Ideal. Rosy bronze and gold	1.50	Schumann's Yellow. Medium yellow	2.00
Kirkwood Beauty. Orange Bronze	1.00	*Sunlite (Ball). Extra early golden bronze	1.00
*Lucky Strike. Popular spring white	1.00	Suntan. Early flowering rosy bronze	1.00
Maiden's Blush. Pale blush pink. Originator's packets	1.00	Terry's Surprise Improved. Rosy orange	1.00
1/2 tr. pkt., 60c	1.00	*Westover's Fringed White. Large ruffled white for spring	1.00
Margaret (Yoder's). Stiff stemmed ivory white. Originator's packets	2.00	*Windmiller's Lilac. Long stemmed rosy lilac	1.50
Marion. Nice white for spring	1.50	Yellow Wonder. Extra early yellow	1.50
*Miss Wooster. Spring flowering, golden orange	1.00	Standard Early Mixed. Complete mixture of forcing varieties	.75
*Early Cincinnati (Ball). Our own early flowering strain of this fine light rose	1.00		

FINE OUT-DOOR SNAPS (175,000 seeds per oz.)

Generally, we recommend the rust-resistant varieties for out-door growing, not only because of their rust-resistance but because they are apt to be truer to type. A sowing Feb. 1st of the longer-stemmed varieties will produce an excellent crop of flowers during early summer out-doors. For flat and plant sales, sow March 1st in most sections.

BALL TEN BEST

We unhesitatingly recommend these varieties as the finest in their color classes for outside growing. ALL ARE RUST RESISTANT.

Rosalie. (Majus Grand.) A rich deep rose; fine for cutting. Our most popular summer Snap.

Pinkie. (Majus Grand.) A lighter rose shade than Rosalie; very fine.

Alaska. (Maximum) The best long stemmed clear white variety for cutting.

Canary Bird. (Maximum) Long stemmed clear light yellow. Good cut-flower type.

Yellow Jacket. (Majus Grand.) An exceptionally attractive deep rich yellow.

Swingtime. (Maximum) Fine medium-light pink with white throat.

Maximum Crimson. A warm deep glowing crimson; valuable for cutting.

Red Cross. (Maximum) Velvety crimson combined with bright golden yellow.

Improved California Mixture. A carefully blended formula made up by ourselves of the above excellent varieties.

Orange Shades. (Nanum Grand.) Attractive shades of golden bronze. Dwarf and compact, for bedding only.

PRICES on all above: Tr. pkt., 25c; 1/8 oz., 45c; 1/4 oz., 80c; 1 oz., \$2.80.

STANDARD SUMMER SNAPS

MAXIMUM. The strong growing, long stemmed type for cutting.

Appleblossom. (Rust Res.) Light pink with yellow lip and white tube.

Campfire. (Rust Res.) Bronzy scarlet.

***Copper King.** (Rust Res.) Fine copper-scarlet.

Daffodil. (Rust Res.) Canary yellow.

Loveliness. (Rust Res.) Shades of light pink.

***Yellow Giant.** (Rust Res.) Rich yellow.

Mixture. (Rust Res.) Choice colors.

PRICES on all above varieties, including Mixture. Tr. pkt., 25c; 1/8 oz., 45c; 1/4 oz., 80c; 1 oz., \$2.80.

MAJUS GRANDIFLORA. Not quite as long-stemmed as the Maximums, but long enough for good cut flowers. Large-flowered.

***Buttercup.** (Rust Res.) Long-stemmed, medium yellow.

Defiance. (Rust Res.) Attractive bronze and coppery red shades.

Shasta. (Rust Res.) Creamy white.

Harmony. Apricot-pink shades.

***Hybrid Mixture.** (Rust Res.) A brilliant mixture of all colors in this class.

PRICES on all above varieties including Mixture. Tr. pkt., 25c; 1/8 oz., 45c; 1/4 oz., 80c; 1 oz., \$2.80.

MAJESTIC. Extra large flowered with medium long stems.

Fair Lady. Clear light rose pink.

Golden Dawn. Light golden bronze.

***Rose Sensation.** (Super Majestic Rust Res.) A fine "New Cincinnati" shade of light pink.

Mixture. (Rust Res.)

PRICES on all above varieties including Mixture. Tr. pkt., 25c; 1/8 oz., 45c; 1/4 oz., 80c; 1 oz., \$2.80.

NANUM GRANDIFLORUM. The dwarf and compact class for bedding.

Gloria. Deep rose pink. Tr. pkt., 50c; 1/8 oz., 85c; 1/4 oz., \$1.50; 1 oz., \$5.00.

Golden Queen. Rich golden yellow. Tr. pkt., 50c; 1/8 oz., 85c; 1/4 oz., \$1.50; 1 oz., \$5.00.

***Gypsy Girl.** (Rust Res.) Bi-color rose and purple with white tube. Tr. pkt., 25c; 1/8 oz., 40c; 1/4 oz., 75c; 1 oz., \$2.50.

***St. George.** Flashing orange cerise. Tr. pkt., 35c; 1/8 oz., 60c; 1/4 oz., \$1.00; 1 oz., \$3.00.

Mixture. (Rust Res.) A choice mixture of colors in this increasingly popular class. Tr. pkt., 25c; 1/4 oz., 60c; 1 oz., \$2.00.

TOM THUMB Magic Carpet. An attractive mixture of colors in this extra dwarf class. (4 to 6 in.) Tr. pkt., 50c; 1/8 oz., 85c; 1/4 oz., \$1.50; 1 oz., \$5.00.

BALL Sweet Peas—

LATE OR SUMMER PEAS

(350 seeds per oz.)

Where summers are moderate, such as our northern states and Canada enjoy, the late class of Sweet Peas does very well out in the open, usually lasting all summer. However in the middle states where high temperatures start in July and are not tempered with cool nights, they are of little value unless started early and planted out of pots or plant bands. Our plan is to sow the seed not later than February 1st, carry the seedlings quite cool and band 3 or 4 into a 3 in. band. By keeping them cool they are well hardened by April 15, at which time they are planted out. We protect them against freezes after this date with a V-shaped cover made by nailing two 6-inch boards together. With plenty of overhead water and 5-foot high supports we have them in crop by June 15th which gives us two weeks of heavy picking. This usually assures a profit since the greenhouse crops are mostly finished at that time. However this outdoor crop must be sprayed weekly for aphid until flowering time; most failures are due to not watching this point. Under our conditions, we find those varieties listed here as the Ball Six Best the most profitable.

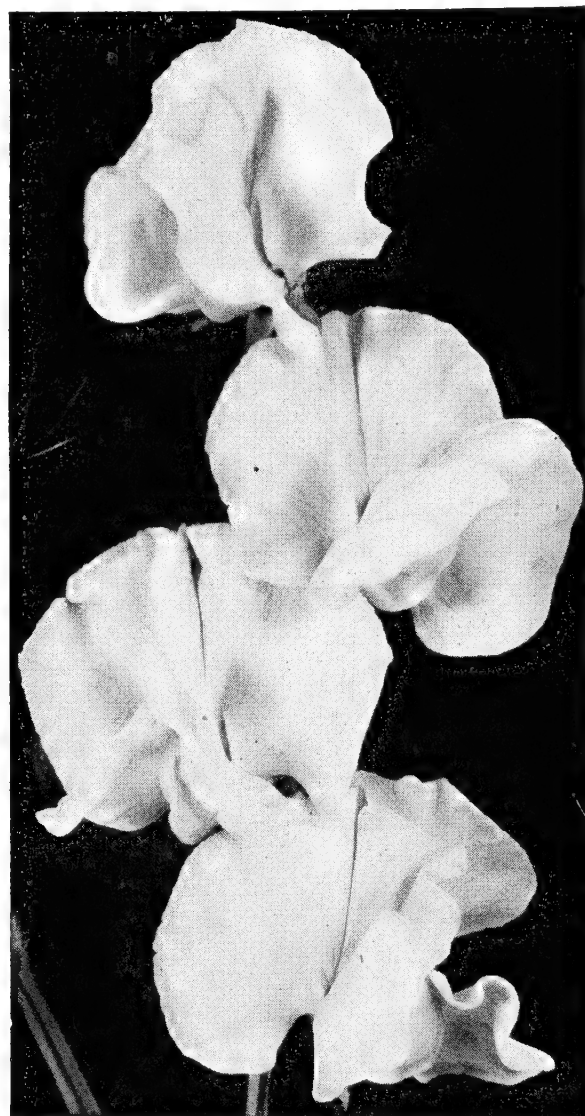
BALL SIX BEST

- ***Pinkie.** Finest large flowered rose-pink; long-stemmed and a heavy producer.
 - ***Snow White.** The finest clear white; black seeded. Improves Gigantic in vigor of growth and flower size.
 - ***Ball Shrimp Pink.** A pleasing soft shrimp pink. Vigorous growth and long stems make this outstanding.
 - ***King Lavender.** Exceptionally fine clear even lavender with long strong stems. Excellent growth.
 - ***Windsor Blue.** A supremely fine mid-blue. Its clear even color, stem length, and flower size set it apart.
 - ***Welcome.** An intense sunproof scarlet of vigorous growth. Fine flower size and stem and a heavy producer.
 - ***Six Best Mixture.** Composed only of the above varieties in proportion to their commercial value.
- PRICES on All Above Varieties and Mixture.**
 $\frac{1}{2}$ oz., 20c; 1 oz., 30c; 4 oz., 90c; 1 lb., \$2.90.

STANDARD VARIETIES

- Ambition.** Rosy lavender.
- ***Amethyst.** Lilac blue. Fine clear color.
- ***Bonnie Briar.** Fine rose pink.
- ***Chinese Blue.** Good clear medium blue.
- Constance Hinton.** Black-seeded white.
- Crimson King.** Deep crimson.
- ***Discovery.** A pleasing chamois pink.
- ***Ecstasy.** Attractive light salmon or shrimp pink.
- ***Fairyland.** A fine clear pink on cream ground.
- ***Flagship.** Deep brilliant navy blue.
- Giant White.** Clear white.
- ***Gigantic.** Excellent, pure white; black seeded.

- ***Headlight.** Fine sunproof orange scarlet.
- ***Highlander.** Fine large lavender.
- Mastercream.** Cream. Black seeded.
- ***Maytime.** A rich golden cerise with large flowers and long stem.
- Miss California.** Large salmon rose.
- ***Olympia.** Mauve. Near Triumph color in Earlies.
- ***Pinnacle.** A fine deep rose.



King Lavender—Fine clear lavender, long stems.

- Powerscourt.** Standard lavender.
 - ***Red Rover.** Deep crimson (same as Redwood in Earlies).
 - Royal Purple.** Deep purple.
 - ***Stylist.** Large flowers of clear deep salmon rose-pink.
 - ***Sweet Afton.** Strong growing clear bright pink. An excellent variety.
 - Warrior.** Deep bronzy-maroon.
- PRICES on all above varieties, each:** $\frac{1}{2}$ oz., 20c; 1 oz., 30c; 4 oz., 90c; 1 lb., \$2.90.
- Ball Florists' Mixture.** A well-balanced mixture of all colors in the late-flowering class, predominating in good cut-flower colors. 1 oz., 20c; 4 oz., 60c; 1 lb., \$2.00; 5 lbs., \$8.00.

For Better Profits

SPRING FLOWERING PEAS (350 seeds per oz.)

For sowing between November and February, we find this new class superior to the regular Early or Winter varieties. They will be about a week later coming in, but their stronger growth will carry them thru longer and with better stems. They should not be sown in the greenhouse before November and we find a January sowing ideal for May and June flowering. Being some earlier than the Late or Summer class and naturally strong in growth, these Spring Flowering Varieties are also valuable for outdoor growing.

***Black Seeded White.** Excellent pure white. Its large frilled flowers and heavy stems make a fine display.

***Blue.** A fairly deep "Hoover" blue.

***Lavender.** Soft rosy lavender. Good producer.

Light Blue. Beautiful light Princess Blue shade.

Light Carmine (Deep Rose Cerise). A pleasing bright cerise rose on salmon. Fine stem and lots of 4's.

Salmon Cream Pink. Extra long stemmed, soft salmon pink.

***Mauve.** Closely resembles Winter Flowering Triumph in its rich coloring. Of fine spring flowering habit.

***Navy Blue.** Brilliant deep marine blue. Vigorous growth and fine large flowers.

***Rose Pink.** Similar in color to Laddie Improved.

PRICES on Above Spring Flowering Varieties: 1/2 oz., 35c; 1 oz., 65c; 4 oz., \$2.00; 1 lb. \$6.50.

***Mixture.** A mixture balanced according to demand for each color. 1/2 oz., 30c; 1 oz., 55c; 4 oz., \$1.65; 1 lb., \$5.50.

WINTER FLOWERING VARIETIES

If grown in clean soil and not checked, a January greenhouse planting of this class will produce a nice crop thruout May. However this late planting will not be as strong or long stemmed as the after-Mum start and we prefer the SPRING FLOWERING CLASS for this purpose.

OUR 12 BEST

Ball Blue Supreme. Much larger flowered than Mrs. Hoover. A long stemmed heavy producer. 1/2 oz., 45c; 1 oz., 75c; 4 ozs., \$2.25; 1 lb., \$7.50.

Ball Orange Supreme. Improves Ball Orange in growth, stem length and richness of color. 1/2 oz., 45c; 1 oz., 75c; 4 ozs., \$2.25; 1 lb., \$7.50.

Ball Rose Queen. Extra long stemmed and large flowered clear rose pink.

Ball Rose Supreme. Large wavy flowers of bright silvery rose pink. Fine producer.

Hiawatha. Fine deep rose; a warm, rich color for Spring.

Twilight. A bright clear lavender. Considered by many an improvement over Harmony.

Triumph. Long stemmed, rich lilac mauve; a fine market variety.

Princess Blue. Large flowered, light blue.

Ball White. White seeded, pure white. Long stemmed.

Ball Salmon. Fairly deep salmon pink.

Treasure Island. Large, wavy orange scarlet flowers.

Fiesta. The finest red in early peas.

12 Best Mixture. Our own formula mixture of the above varieties.

PRICES on 12 Best Pea Varieties and Mixture, except where noted are: 1/2 oz., 30c; 1 oz., 50c; 4 oz., \$1.50; 1 lb. \$5.50.

GENERAL LIST

American Beauty. American-Beauty rose.

Amethyst. Rich bright mauve-purple.

Attraction. Long-stemmed salmon rose.

***Bacchus.** Deep maroon-purple. Large flowered.

***Ball Orange Improved.** Clear brilliant orange.

Blue Danube. A clear deep blue.

Boon. Deep salmon-rose.

***Bridesmaid.** Delightful silvery pink. Large flowered.

Columbia. Rose and white bi-color.

***Daphne.** Soft salmon-pink on cream. Large flowered.

Eileen. Rich Begonia rose.

Fragrance. Clear lavender for spring flowering.

***Gardenia.** Finest long-stemmed pure white for spring.

Grenadier. Poppy-scarlet.

***Harmony.** Standard early flowering lavender.

Heather Bell. Pleasing orchid-lavender. Rather small flowered.

***Hope.** Fine black-seeded white.

Jeanne Mamitsch. Clear rose; long stemmed.

Josie. Rose pink; rather small flowered.

***Laddie Imp.** Long-stemmed fairly light rose pink.

Magic. Extra early and free flowering orchid lavender.

Majestic Rose. Fine large-flowered rose-pink.

Michigan. Clear lavender.

***Mrs. Hoover.** Standard early mid-blue.

Mother Machree. Large coral rose flowers; semi-duplexed.

***New Ball Rose.** Free flowering, rich deep rose. 1/2 oz., 45c; 1 oz., 75c; 4 oz., \$2.25; 1 lb., \$7.50.

Oriental. Black-seeded cream.

Pride. Extra long-stemmed brilliant cerise.

Red Bird. Crimson-red.

***Redwood.** Large-flowering deep, velvety crimson.

***Rhumba.** Excellent salmon cerise for spring.

Sequoia. Large flowered standard salmon rose.

***Signal Red.** Fine long-stemmed brilliant red.

Snowstorm. White-seeded white. Rather small-flowered.

***Sparks.** The finest poppy scarlet.

Sunproof Orange. Orange cerise; small flowered.

Sunray. Light cerise; fine long stem.

***Tahoe.** Fine mid-blue for spring flowering.

***Top Hat.** Deep bright violet-blue.

***Tops.** Extra large, wavy flowered, light salmon rose.

***White Harmony.** Similar to Hope; black-seeded.

PRICES on All Above Varieties Except Where Noted Are: 1/2 oz., 30c; 1 oz., 50c; 4 oz., \$1.50; 1 lb., \$5.50.

Ball Early Mixture. Carefully balanced mixture of winter varieties. 1/2 oz., 25c; 1 oz., 45c; 4 oz., \$1.35; 1 lb., \$5.00.

Non-
Branching

BALL STOCKS

(18,000 seeds
per oz.)

The increasing popularity of our fine scientifically-bred strains of Non-branching Stocks is reflected in the steadily increasing demand for this seed. This is explained by the ease with which they are grown and the fact that less labor is needed to produce a profitable crop than most items require. While we are making every effort to produce sufficient seed, supplies of a few varieties occasionally run short. Early ordering will help to assure your needs.

Prices on All Non-Branching Varieties As Follows: ½ Tr. pkt., 60c; Tr. pkt. (about 1,200 seeds), \$1.00; ¼ oz., \$2.50; 1 oz., \$9.00.

OUR 3 FINEST

Our own growing experience indicates that these three can't be beat and enthusiastic reports from growers everywhere bear this out.

***No. 16 Ball White Improved—Medium Tall.** Our finest early pure white, with extra large florets, and well-formed, compact spikes.

***No. 1 Lilac Lavender.** Our own excellent large flowered strain, well-liked by all markets. Fine for Memorial Day at which time this color is usually short.

***No. 22 Ball Supreme.** Extra long, stiff stems and fine heavy spikes of rich silvery rose have made this the outstanding variety in its color class.

WHITE VARIETIES

We regret that we are completely sold out of No. 15 Ball White Improved until new crop seed is ready next August. We suggest the use of our No. 16 strain where a fine pure white is wanted.

No. 5 Ball White Extra Dwarf. Choice pot plant variety. **Gardenia.** Late flowering pure white; not entirely non-branching.

PINK, ROSE AND RED VARIETIES

No. 11 Ball Pink. Early flowering medium light pink.
***No. 14 Ball Rose Pink.** Fairly deep, bright rose pink.
No. 9 Chamois Pink Improved. Attractive buff and pink.
No. 6 American Beauty. Deep American Beauty Rose.
No. 7 Malmaison Pink. Blush pink; branches slightly.
No. 8 Ruby. Long stemmed, rich crimson red.

BRANCHING STOCKS

GIANTS OF CALIFORNIA

Golden Gate. Soft creamy yellow.
Monterey. A clear bright pink.
***Pacific.** Fairly dark lilac-mauve.
Santa Barbara. Chamois or buff.
***Santa Maria.** Best branching white.
***Tahoe.** Clear lavender.
***Yosemite.** Rich rose pink.
PRICES for Above Varieties Each: Tr. pkt., 35c; ¼ oz., \$1.25; 1 oz., \$4.50.
Mixture of all colors in this fine class. Tr. pkt., 35c; ¼ oz., \$1.15; 1 oz., \$4.00.

PERPETUAL BRANCHING

***Empress Augusta Victoria.** Silver lilac.
Mixture.
PRICES Each: Tr. pkt., 30c; ¼ oz., 75c; 1 oz., \$2.65.

IMPROVED BISMARCKS

Antique Copper. Fine copper red.
Apple Blossom. Pale, delicate pink.
Blood Red. Bright ruby red.
***Chamois.** Clear chamois or buff.
***Elk's Pride.** Rich purple.
Flesh. Pale coral pink.
***Golden Ball.** Ivory yellow.
***Lavender.** Clear lilac lavender.
***Lilac.** Fairly deep lilac blue.
***Rose.** Fine bright rose pink.
***Shasta.** Giant-flowered white.
White. Good clear white.
Formula Mixture of above colors.

PRICES Each: Tr. pkt., 35c; ¼ oz., \$1.15; 1 oz., \$3.50.

BEAUTY OF NICE

Cote D'Azure. Light lavender-blue.
Flesh Pink. (Beauty of Nice).
Mont Blanc. Extra early pure white.
Queen Alexandra. Fine rosy lilac.
Mixture.

PRICES EACH: Tr. pkt., 30c; ¼ oz., 75c; 1 oz., \$2.65.

DWARF TEN WEEK

Blood Red Carmine-Pink Lavender
Canary-Yellow Deep-Rose Purple
White Formula Mixture

PRICES Each: Tr. pkt., 25c; ¼ oz., 65c; 1 oz., \$2.00.



Part of our greenhouse planting of Non-branching Stocks. Seed was sown direct—no transplanting.

POPULAR ANNUALS

For Pots, Bedding and Cutting

On this and the following pages thru page 30, we have grouped, in alphabetical order, all annuals except those listed on previous feature pages. A complete list of perennials will be found starting on page 31. Since this catalog is intended for the use of professional growers, we have used great care in listing only those varieties that we, as growers ourselves, have found of practical florists' use. "Flower Seeds for Florists" is not an idle phrase with us; our own greenhouse-grown strains plus regular inspections of leading seed growers' plantings have enabled us to maintain our reputation for "all the best" even under war conditions.

NOTE: The asterisk (*) indicates varieties most dependably satisfactory in our experience and observation.

We include with this catalog the number of seeds per ounce of important items listed. For example: **ACROCLINIUM**—8500 S means 8500 seeds per oz. These figures must NOT be accepted as indicating the number of plants to be expected. Under favorable germinating conditions most large seeds will germinate 50 to 60 percent.

ACROCLINIUM—New Hybrids. (Sensation Giants). 8500 S. Choice bright-colored Strawflowers for spring cutting. The extra large semi-double strain. Tr. pkt., 15c; ¼ oz., 30c; 1 oz., \$1.00.

AGATHEA—Coelestis. (Felicia amelloides or Blue Daisy). 27,000 S. Fairly tall (30 in.) Of irregular and slow germination. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.85.

AGERATUM—*Golden Ageratum. (Lonas inodora). Freely produces large clusters of Ageratum-like golden yellow flowers on medium tall (12 in.) plants. Very colorful for bedding or borders. Tr. pkt., 35c; ¼ oz., 75c; ½ oz., \$1.35; ¾ oz., \$2.50.

MEXICANUM 200,000 S. Most seed-produced strains vary in habit but make satisfactory material for flat sales.

***Blue Bedder**. The best seed-produced strain we know of; a fairly uniform dwarf and free flowering variety for bedding. 4 to 6 in. Tr. pkt., 35c; ½ oz., 85c.

***Midget Blue**. Small, clear blue flowers, freely produced. One of the better strains. Tr. pkt., 35c; ½ oz., 90c; ¼ oz., \$1.65; 1 oz., \$5.50.

Blue Ball Improved. 6 to 10 in. Large flowered strain. Tr. pkt., 30c; ½ oz., 65c; ¼ oz., \$1.20; 1 oz., \$4.00.

Blue Perfection. 10 to 15 in. Large flower heads. Tr. pkt., 20c; ¼ oz., 45c; 1 oz., \$1.50.

Tall Blue. 24 in. Uniformly large-flowered, tall strain for cutting. Tr. pkt., 15c; ¼ oz., 25c.

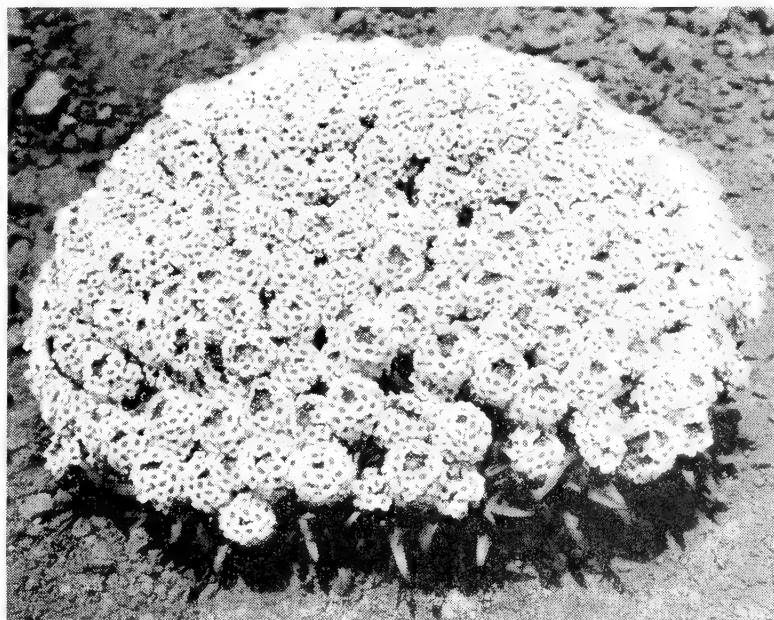
Imperial Dwarf White. 10 to 12 in. Fairly even medium dwarf, large flowered white. Tr. pkts. only, 25c.

ALOE—***Variegata**. (Tiger Aloe). The attractively green and yellow tigated, succulent leaves and the ease with which nice 2-in. pot plants can be produced in a year's time or less make this a valuable item for florists. 100 seeds, \$1.50; 500 seeds, \$6.50; 1000 seeds \$11.00.

Ferox (African Wart Aloe). A fast growing succulent that will produce small saleable plants in 6 to 8 months from sowing. Much faster growing than Aloe Variegata. 100 seeds, 50c; 250 seeds, \$1.00; 500 seeds, \$1.75; 1000 seeds \$3.00.

ALYSSUM—90,000 S. All are delightfully fragrant and do well even in poor soils.

***Carpet of Snow**. (Procumbens Snowcloth). Produces a very dense flat mass of white flowers, 3 to 4 in. high by 8 to 10 in. across. Tr. pkt., 15c; ¼ oz., 25c; 1 oz., 75c; 4 oz., \$2.25.



Alyssum. Little Gem

ALYSSUM, continued

***Little Gem**. 5 in. Dense rounded heads of white flowers; does not spread. Tr. pkt., 15c; ¼ oz., 30c; 1 oz., 90c; 4 oz., \$2.75.

***Violet Queen**. 5 in. Of the same dwarf compact type as Lilac Queen but much deeper in color. Tr. pkt., 20c; ¼ oz., 35c; 1 oz., \$1.25; 4 oz., \$4.25.

Lilac Queen. 5 in. Same as above but light lilac. Tr. pkt., 15c; ¼ oz., 25c; 1 oz., 75c; 4 oz., \$2.25.

Maritimum. (Sweet Alyssum). 10 in., medium tall strain. Tr. pkt., 10c; 1 oz., 40c.

For Perennial Alyssum, see page 31.

AMARANTHUS—**Molten Fire**. 28,000 S. 4 ft. attractively variegated deep red foliage. Plants do best when not transplanted and prefer dry, open locations. Tr. pkt., 15c; ¼ oz., 30c; 1 oz., \$1.00.

ANCHUSA—**Blue Bird**. (Capensis). 1100 S. Attractive deep Forget-Me-Not blue flowers. 18 to 24 in. Tr. pkt., 15c; ¼ oz., 25c; 1 oz., 75c.

For Perennial Anchusa, see page 31.

ARCTOTIS—**Breviscapa Aurantiaca**. 7700 S. 6 in. Single daisy-like orange flowers with dark centers. Tr. pkt., 35c; ¼ oz., 85c.

MISCELLANEOUS ANNUALS—Continued

ARCTOTIS, continued

Grandis. 25,000 S. Single silvery white flowers with lilac shading and dark center. Tr. pkt., **15c**; $\frac{1}{4}$ oz., **30c**; 1 oz., **\$1.00**.

ASCLEPIAS—Curassivica. 2 to 3 ft. Produces clusters of orange-red flowers from leaf axils. Tr. pkt., **25c**; $\frac{1}{4}$ oz., **75c**; 1 oz., **\$2.25**.

ASPARAGUS—750 S. Our new crop is available about Feb. 1, from a California specialist and in a soil temperature of at least 70°, will germinate 65 to 75%.

Plumosus. The fine feathery variety.

Sprengeri.

Prices on Above Two Varieties Each: 100 seeds, **30c**; 250 seeds, **60c**; 1000 seeds, **\$1.90**; 5000 seeds, **\$8.00**; 1 lb. **\$14.00**. For **Baby's Breath**, see *Gypsophila*, page 24, and *Euphorbia Corollata*, page 33.

ASTERS—See pages 6 and 7.

BALSAM (3300 S.)—*Double Bush Flowering Mixed. 15 in. Because flowers are produced above the foliage, this class is by far the most attractive. Even in habit. Tr. pkt., **25c**.

Double Camellia-Flowered Mixed. 24 in. Tr. pkt., **15c**; $\frac{1}{4}$ oz., **30c**; 1 oz., **\$1.00**.

For **Bachelor Button**, see *Centaurea Cyanus*, page 20.

BEGONIA—Fibrous Rooted Begonias, by the nature of their growth, divide themselves readily into 3 groups. (See Sept. '44 *GROWER TALKS*). The tall class includes the strong, upright growing varieties which have value for bedding; the intermediates are made up of fairly bushy growing sorts that make fine pot plants or can be used for bedding under favorable conditions; while the dwarf class comprises the very popular well rounded pot plant varieties.

TALL CLASS.

Christmas Cheer. Large flowered deep crimson rose. Tr. pkt., **\$1.00**; $\frac{1}{64}$ oz., **\$1.75**; $\frac{1}{32}$ oz., **\$3.25**.

Glory of Erfurt. Medium rose shades. Tr. pkt., **\$1.00**; $\frac{1}{32}$ oz., **\$2.25**.

Ile de France. Large flowered white. Tr. pkt., **\$1.00**; $\frac{1}{64}$ oz., **\$1.75**; $\frac{1}{32}$ oz., **\$3.25**.

***Pink Radio.** Extra large flowered rich glowing rose. Tr. pkt., **\$1.00**; $\frac{1}{64}$ oz., **\$2.25**; $\frac{1}{32}$ oz., **\$4.00**.

***Silver Wings.** (New.) The extra large pure white flowers contrast vividly with the golden yellow anthers and the glistening bright green foliage. This vigorous growing new variety was developed thru single-plant selection in our own greenhouses. Tr. pkt., **\$1.00**; $\frac{1}{64}$ oz., **\$1.75**; $\frac{1}{32}$ oz., **\$3.25**.

Tall Varieties Mixed. A formula mixture of the above strong growing sorts. Tr. pkt., **\$1.00**; $\frac{1}{64}$ oz., **\$1.50**; $\frac{1}{32}$ oz., **\$2.50**.

INTERMEDIATE CLASS.

***Carmen.** The original bronze-leaved Begonia; bright rose-pink flowers. Tr. pkt., **\$1.00**; $\frac{1}{64}$ oz., **\$2.25**; $\frac{1}{32}$ oz., **\$4.00**.

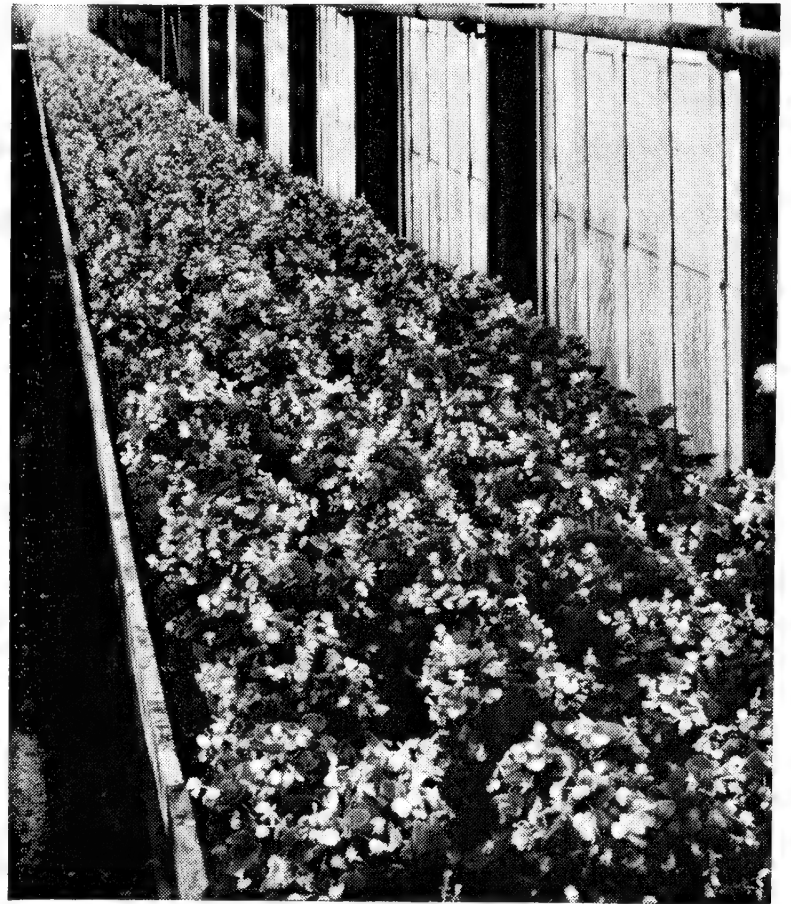
Darling. Shades of light to medium pink. Tr. pkts. only, **\$1.00**.

***Fire Sea (Blaze of Fire).** Large fiery red with green foliage. Tr. pkt., **\$1.00**; $\frac{1}{64}$ oz., **\$2.25**; $\frac{1}{32}$ oz., **\$4.00**.

***Indian Maid.** Foliage a deep lustrous bronze with contrasting scarlet flowers. Tr. pkt., **\$1.00**; $\frac{1}{64}$ oz., **\$2.50**; $\frac{1}{32}$ oz., **\$4.50**.

Luminosa. Very attractive and popular scarlet red. Limit, one Tr. pkt., **\$1.00**.

Masterpiece. Extra large flowered, clear rose pink. Tr. pkt., **\$1.00**; $\frac{1}{64}$ oz., **\$2.25**; $\frac{1}{32}$ oz., **\$4.00**.



Picturing a bench of Adeline Begonias growing for seed in our West Chicago greenhouses.

BEGONIA, continued

Prima Donna. Light rose pink shading to carmine. Tr. pkt., **\$1.00**; $\frac{1}{64}$ oz., **\$2.00**; $\frac{1}{32}$ oz., **\$3.50**.

***Scandinavia Pink.** Very free flowering bright rose pink. Fine bushy pot plant habit. Tr. pkt., **\$1.00**; $\frac{1}{64}$ oz., **\$2.75**; $\frac{1}{32}$ oz., **\$5.00**.

Scandinavia Red. Identical to the above except for its bright carmine scarlet flowers. Tr. pkts. only, **\$1.00**.

Scandinavia White. A white Scandinavia selection. Tr. pkt., **\$1.00**; $\frac{1}{64}$ oz., **\$2.75**; $\frac{1}{32}$ oz., **\$5.00**.

Intermediate Varieties Mixed. Our own mixture made up of the above separate colors; carefully blended. Tr. pkt., **\$1.00**; $\frac{1}{64}$ oz., **\$2.00**; $\frac{1}{32}$ oz., **\$3.50**.

DWARF CLASS.

***Adeline.** Extra free flowering bright pink; dwarf and compact. Tr. pkt., **\$1.00**; $\frac{1}{64}$ oz., **\$2.50**; $\frac{1}{32}$ oz., **\$4.50**.

***Ball White.** We find this the finest white for pot plant use. Tr. pkt., **\$1.00**; $\frac{1}{64}$ oz., **\$2.50**; $\frac{1}{32}$ oz., **\$4.50**.

***Luminosa Compacta.** Extra dwarf and compact; free flowering bright scarlet. Limit, one Tr. pkt., **\$1.00**.

***King of the Reds.** (Pictured in color on front cover.) This is by far the most popular Begonia on our entire list. Its vigorous but compact growth and glowing red flowers make it equally valuable for pots or bedding. Tr. pkt., **\$1.00**; $\frac{1}{64}$ oz., **\$2.50**; $\frac{1}{32}$ oz., **\$4.50**.

Dwarf Varieties Mixed. Our own formula mixture of dwarf varieties. Fine for combinations. Tr. pkts. only, **\$1.00**.

Tuberous Rooted Single Mixed. Attractive shades of orange, rose, scarlet, etc. Large flowered. Tr. pkt., **\$1.00**; $\frac{1}{128}$ oz., **\$3.00**.

MISCELLANEOUS ANNUALS—Continued

BEGONIA, continued

***Tuberous Rooted Double Mixed.** (Vetterle and Reinelt Strain.) This extra fine strain, produced under ideal conditions by a California specialist, is probably the world's finest. Gorgeous colors with 80 to 90% good doubles. Tr. pkt. (1000 seeds or more), **\$2.50.**

BRACHYCOME—IBERIDIFOLIA. (Swan River Daisy.) 140,000 S. 6 to 8 in. plants bearing small single flowers.

Azure Fairy. Azure-blue, the most popular color.

Mixture of all colors in this class.

Prices on both of the above each: Tr. pkt., **15c**; ¼ oz., **30c**; 1 oz., **\$1.00.**

BROWALLIA—Viscosa Compacta Sapphire. 65,000 S. Compact growth with a profusion of small attractively light-eyed blue flowers. Tr. pkt., **35c**; ¼ oz., **\$1.00**; ½ oz., **\$1.85.**

Speciosa Major. Not available this year.

CALCEOLARIA (About 20,000 seeds per ½ oz.) ***Multiflora Nana Mixture** (Ball Strain). Our most popular variety. Dwarf in growth with large compact heads of medium sized flowers. Tr. pkt., **\$1.00**; ¼ oz., **\$2.35**; ½ oz., **\$4.35**; ¾ oz., **\$8.00.**

***Grandiflora Mixed.** Extra large flowers and fairly strong growth. Tr. pkt., **\$1.00**; ¼ oz., **\$2.50**; ½ oz., **\$4.50.**

***Grandiflora Dwarf Mixed.** A more compact growing strain of the above. Tr. pkt., **\$1.00**; ¼ oz., **\$2.75**; ½ oz., **\$5.00.**

***Dwarf Tigered or Spotted.** Various spotted shades of reds and rosy bronzes. Tr. pkt., **\$1.00**; ¼ oz., **\$2.50**; ½ oz., **\$4.50.**

***Triumph Strain.** Medium large flowers; mostly bright reds and yellows. Tr. pkt., **\$1.25**; ¼ oz., **\$2.25**; ½ oz., **\$4.00.**

Indian Prince. A bright scarlet Multiflora Nana selection. Tr. pkt., **\$1.00**; ¼ oz., **\$2.35.**

Cloth of Gold. Medium sized, freely produced golden yellow flowers. Very showy. Tr. pkt., **\$1.00**; ¼ oz., **\$2.50**; ½ oz., **\$4.50.**

Flower Cloud. Small flowers in shades of yellow, orange and bronze. Tr. pkt., **\$1.50**; ¼ oz., **\$3.50.**

CALENDULA—See page 9.



This cut pictures three distinct classes of Calceolarias. On the right is the fairly tall, spotted Tigrina; the ever popular Multiflora Nana in the center, with a Dwarf Tigered Grandiflora on the left. Seed for these was sown early October, flowering in May.

CALLIOPSIS—90,000 S. Fairly dwarf and very free flowering bedding plants.

Gold Crest. Produces large (2½ to 3 in.) semidouble golden yellow flowers with reddish brown eyes. Tr. pkt., **15c**; 1 oz., **60c.**

Golden Wave. (Drummondii.) 12 in. Semi-double golden yellow flowers with dark eye. Tr. pkt., **15c**; 1 oz., **40c.**

Dwarf Mixture. 6 to 8 in. Attractive dwarf compact mixture of red and yellow shades. Tr. pkt., **15c**; 1 oz. **50c.**

CAMPANULA—Annual Canterbury Bells Mixture. 50,000 S. 2 ft. An annual form of the well-known perennial, flowering 6 months from sowing. Tr. pkt., **15c**; ¼ oz., **25c**; 1 oz., **85c.**

For **Perennial Campanulas**, see page 31.

CANDYTUFT—9500 S.—HYACINTH-FLOWERED.

***Giant White.** (Ball Strain.) This is our own unsurpassed strain that has been especially bred for greenhouse cut-flower use. Uniform in growth and large flowered. Tr. pkt., **20c**; ½ oz., **45c**; 1 oz., **80c**; 4 oz., **\$2.65**; 1 lb. **\$8.50.**

Miniature Gem. A nice very early flowering rock or border plant; 4 in. high. White. Tr. pkt., **15c**; ¼ oz., **25c**; 1 oz., **85c.**

UMBELLATA. A popular spring cut flower. Sow in January, plant out 8 x 10 in.

*Carmine	Flesh-Pink	*Rose Cardinal
Crimson	*Lavender (Lilac)	White

And our special **Formula Mixture** Each: Tr. pkt., **15c**; 1 oz., **50c**; 4 oz., **\$1.65.**

Dwarf Hybrids Mixture. An attractive 3 to 4 in. miniature of above. Very early. Tr. pkt., **15c**; 1 oz., **60c.**

For **Perennial Candytuft**, see Iberis, page 33.

CARNATION—14,000 S. From an early sowing planted outdoors, preferably under cloth protection, these strains will produce a nice crop of summer Carnations for cutting. Some supporting necessary.

Marguerite Double Mixture. 15-20 in. Ours is a reselected strain of this very free flowering summer Carnation. An old favorite. Tr. pkt., **25c**; ¼ oz., **65c**; 1 oz., **\$2.25.**

***CHABAUD'S GIANT IMPROVED STRAIN.**

*Cardinal Red	Deep Salmon	*White
(Sparkler)	(Aurora)	(Jeanne Dionis)
Crimson	Flesh-Pink	Yellow
(Blood Red)	(Reine Rose)	(Marie Chabaud)
*Deep Rose	Salmon-Rose	Formula Mixture
(Rose Queen)		of all colors.

Each: Tr. pkt., **35c**; ¼ oz., **90c**; 1 oz. **\$3.25.**

ENFANT DE NICE. A fine standard strain.

Red	Salmon	White	Formula Mixture
Each: Tr. pkt., 50c ; ¼ oz., \$2.00.			

For the hardy **Carnation Grenadin**, see page 31.

For **Castor Bean**, see Ricinus, page 27.

CELOSIA—28,000 S. The increasing popularity of this showy annual is explained by its ease of growth, making showy mass effects even in poor soil and hot climates.

PLUMOSA. Plumed or feathery type producing spire-like branches mostly from base of plant. The new dwarf varieties are finding wide use both for bedding and as spring pot plants. The taller strains are very showy and may be used for cutting.

***Dwarf Fiery Feather.** (Pyramidalis). 12 in. Very attractive pyramid formation with fiery red spires. The standard variety.

***Dwarf Golden Feather.** (Pyramidalis). 15 in. Same as above but slightly taller and golden yellow.

***Dwarf Feather Mixture.** A formula mixture of the above two varieties; ⅔ Fiery Feather, ⅓ Golden Feather.

Each: Tr. pkt., **25c**; ¼ oz., **65c**; ½ oz., **\$1.25**; 1 oz., **\$4.00.**

Flame of Fire. A fine dwarf strain. More solidly compact than Fiery Feather. Tr. pkt., **35c**; ¼ oz., **85c**; ½ oz., **\$1.50.**

***Scarlet Plume.** 4 ft. Brilliant crimson-scarlet. Very colorful for fall borders and for cutting. Tr. pkt., **25c**; ¼ oz., **60c**; 1 oz., **\$2.00.**

***Golden Plume.** Tall. Same as above except in color. Tr. pkt., **25c**; ¼ oz., **60c**; 1 oz., **\$2.00.**

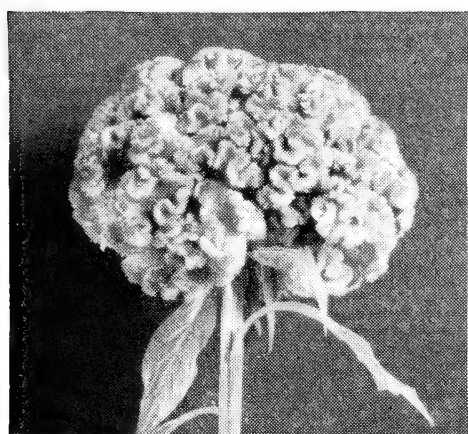
MISCELLANEOUS ANNUALS—Continued

CELOSIA, continued

***Thompsoni Magnifica.** Ours is a fine even strain of this popular tall growing variety. Contains strikingly brilliant reds with some yellow and gold shades. This makes an excellent cut flower. Tr. pkt., 25c; ¼ oz., 60c; 1 oz., \$2.00.

CRISTATA. The popular Cockscomb type. Fine for specimen pot work in spring. Also dries well.

Gilbert's Maple Gold. Beautiful combs varying in color from light to dark pink, tipped with gold. Grows 2 to 3 feet high and makes an excellent cut flower. Will keep 3 or 4 days out of water. Originator's Tr. pkt., (300 seeds) 50c.



Celosia—Gilbert's Maple Gold

***Empress.** (Dwarf). 12 in. Large crimson combs with deep red-dish leaves.

Golden Yellow. (Dwarf). 12 in. Yellow combs with light green foliage.

Glasgow Prize. (Pres. Thiers). 12 to 15 in. Deep crimson combs set in bright green leaves.

***Dwarf Mixture.** 15 in. A choice mixture of all colors in this class with both light and dark foliage.

Prices on Each

Above Four Varieties: Tr. pkt., 25c; ¼ oz., 60c; 1 oz., \$2.25.

***Royal Velvet.** An absolutely uniform strain of semi-tall "Cockscomb" Celosia. Crimson combs borne well above foliage on 24 to 30 in. stems. We handle originator's seed only. Tr. pkt., 25c; ¼ oz., 90c; 1 oz., \$3.00.

***Tall Mixture.** 40 in. Mixture of all colors in the tall class. Tr. pkt., 15c; ¼ oz., 25c; 1 oz., 80c.

CHILDSII. Chinese Woolflower. An attractively different type with knobs or ball-like formations on the end of each branch.

Crimson and **Mixture**
Each: Tr. pkt., 20c; ¼ oz., 50c; 1 oz., \$1.75.

***Spicata.** 5 ft. Long slender silvery rose spikes. Useful as a cut-flower or for drying. Tr. pkt., 20c; ¼ oz., 30c; 1 oz., 90c.

CENTAUREA—Sauveolens. (Yellow Sweet Sultan). 6700 S. Similar to the Imperialis type but not quite as tall and earlier flowering. 18 in. high, thistle-like flowers, bright yellow. Forces well indoors. Tr. pkt., 15c; ¼ oz., 25c; 1 oz., 85c.

CYANUS. (Bachelor Button or Cornflower). 6500 S. Ours are the very finest, free flowering re-selected florists' strains. Useful for spring greenhouse flowering or can be flowered outdoors in June and July from a fall sowing.

***Blue Boy.** The standard market variety.

Black Boy. Rich deep maroon.

Red Boy. Deep carmine rose.

***Pinkie.** Very attractive rose pink.

***Snowman.** Fine clear white.

Formula Mixture of above varieties.

Prices on all above varieties and mixture each: Tr. pkt., 15c; 1 oz., 45c; 4 oz., \$1.50; 1 lb., \$5.00.

Jubilee Gem. 12 to 15 in. Dwarf compact deep blue for bedding. Tr. pkt., 20c; ¼ oz., 35c; 1 oz., \$1.00.

IMPERIALIS. (Sweet Sultan). 7500 S. Thistle-like flowers, larger flowered than the Cyanus type.



Not at all hard to grow fine Centaurea Cyanus. See this page for complete list of greenhouse varieties.

CENTAUREA, continued

Amaranth Red

Brilliant Rose

Formula Mixture

Each: Tr. pkt., 15c; ¼ oz., 25c; 1 oz., 75c.

AMERICANA. 2400 S. Still larger than the Imperialis. Valuable for retail growers but doesn't stand shipping well.

Lilac, the preferred color.

White

Mixture of above two colors. Each: Tr. pkt., 15c; 1 oz., 60c; 4 oz., \$2.00; 1 lb., \$6.00.

DUSTY MILLERS. The white-leaved kinds for border work. Cineraria Maritima Diamond also belongs in the Dusty Miller group.

Candidissima. 7500 S. 6 in. The slow growing kind that must be started early. Tr. pkt., 45c; ¼ oz., \$1.00; 1 oz., \$3.50.

Gymnocarpa. 7300 S. 24 in. Heaviest and most rapid grower of the Dusty Millers. Tr. pkt., 15c; ¼ oz., 25c; 1 oz., 75c; 4 oz., \$2.50.

For the hardy **Centaurea Montana**, see page 32.

For **Chinese Forget-Me-Not**, see Cynoglossum, page 23.

CHRYSANTHEMUM (Annual)—9000 S. A valuable cut flower "catch crop" that responds well to electric light forcing. Space at least 12 x 12 in. Germination somewhat slow and irregular.

Burridgeanum. (Carinatum). White with crimson zone and brown eye.

***Northern Star.** (Carinatum). White with yellow zone, brown eye.

***Eldorado.** (Segetum). Golden-yellow with brown eye.

Gloria Alba. (Segetum). White with yellow zone and yellow eye.

Morning Star. (Segetum). Lemon with yellow zone, yellow eye.

Mixture of all colors.

Each: Tr. pkt., 15c; 1 oz., 40c.

Rainbow Mixture. (Carinatum). An outstandingly complete and brilliant mixture in this annual Chrysanthemum class. We recommend this Rainbow strain to the retail grower as a source of annual Chrysanthemums for spring cutting. Tr. pkt., 30c; ¼ oz., 60c; 1 oz., \$2.00.

For **Hardy Chrysanthemum**, see page 32.

MISCELLANEOUS ANNUALS—Continued

CINERARIA—An early January sowing, if kept growing right along, will make satisfactory 3 in. plants in late May for combination work, in our latitude. Sowings are made from June on for Christmas and later flowering.

***Siter's Rainbow Strain.** 3,500 seeds per $\frac{1}{32}$ oz. An excellent market strain with immense heads of medium large mostly white eyed flowers and small foliage. Tr. pkt., \$2.00; $\frac{1}{64}$ oz., \$2.50; $\frac{1}{32}$ oz., \$4.50; $\frac{1}{16}$ oz., \$8.00.

***Multiflora Nana, Gold Center.** 6,300 seeds per $\frac{1}{32}$ oz. Attractive medium small self-colored flowers with yellow anthers. Good shipper. Tr. pkt., \$1.00; $\frac{1}{64}$ oz., \$2.00; $\frac{1}{32}$ oz., \$3.50.

***Cremer's Prize Strain.** (Reselected stock). 6,300 seeds per $\frac{1}{32}$ oz. Continues to be the standard florists' strain. About half-light-eyed. Tr. pkt., \$1.50; $\frac{1}{64}$ oz., \$2.25; $\frac{1}{32}$ oz., \$4.00; $\frac{1}{16}$ oz., \$7.50.

***Berlin Market Mixed.** (Weissensee Strain). 3,500 seeds per $\frac{1}{32}$ oz. A fine strain producing large rounded heads of medium large flowers on compact plants. Tr. pkt., \$1.00; $\frac{1}{64}$ oz., \$1.75; $\frac{1}{32}$ oz., \$3.25.

Berlin Market, Dark Crimson. A deep crimson selection without any eye. Tr. pkt., \$1.00; $\frac{1}{64}$ oz., \$1.75.

***Grandiflora Dwarf Mixed.** 3,500 seeds per $\frac{1}{32}$ oz. Large flowers in a wide assortment of rich colors with contrasting large white eyes. Extra dwarf and compact growth. Tr. pkt., \$1.00; $\frac{1}{64}$ oz., \$1.75; $\frac{1}{32}$ oz., \$3.25.

Dwarf Giant Exhibition Mixture. Extra large (4 to 5 in.) flowers in a wide color range on fairly dwarf plants. For exhibition work only. Tr. pkt., \$1.50; $\frac{1}{64}$ oz., \$2.50.

Pacific Giants Mixed (New). This California grown strain produces enormous heads of flowers on robust plants and should make fine exhibition specimens in 6 or 7 in. pots. Tr. pkts. only, \$1.00.

Stellata Mixture. (Star type). Small, free flowering strain. 24 to 30 in. tall. Mostly blue and lavender shades. Tr. pkt., 75c; $\frac{1}{64}$ oz., \$1.25; $\frac{1}{32}$ oz., \$2.25.



American grown Cineraria strains, when properly selected, are unequaled.

CINERARIA, continued

***No. 1 Mixture.** Consists of Cremer's Prize strain and Siter's Rainbow Strain in equal proportions. Tr. pkt., \$1.00; $\frac{1}{64}$ oz., \$2.00; $\frac{1}{32}$ oz., \$3.75.

***No. 2 Mixture.** Contains $\frac{1}{2}$ Cremer's Prize Strain and $\frac{1}{4}$ each Siter's Rainbow Strain and Multiflora Nana, Gold Center Strain. Tr. pkt., \$1.00; $\frac{1}{64}$ oz., \$2.00; $\frac{1}{32}$ oz., \$3.75.

DUSTY MILLER

***Maritima Diamond.** 10 in. Our finest Dusty Miller. Compact even growth and very white foliage. Tr. pkt., 15c; $\frac{1}{4}$ oz., 25c; 1 oz., 85c.

CLARKIA—ELEGANS DOUBLE. 90,000 S. Popular for spring cut flower use. Sow in January and grow in shallow soil dis-budding to 2 or 3 spikes for long stemmed flowers. Don't feed, and keep fairly dry after plants are about a foot high to prevent oversoft lanky growth.

Albatross. The best white.

***Brilliant.** Bright deep rose. Good market color.

***Orange King.** Excellent fully double orange-scarlet.

***Salmon Queen.** Medium light salmon-pink.

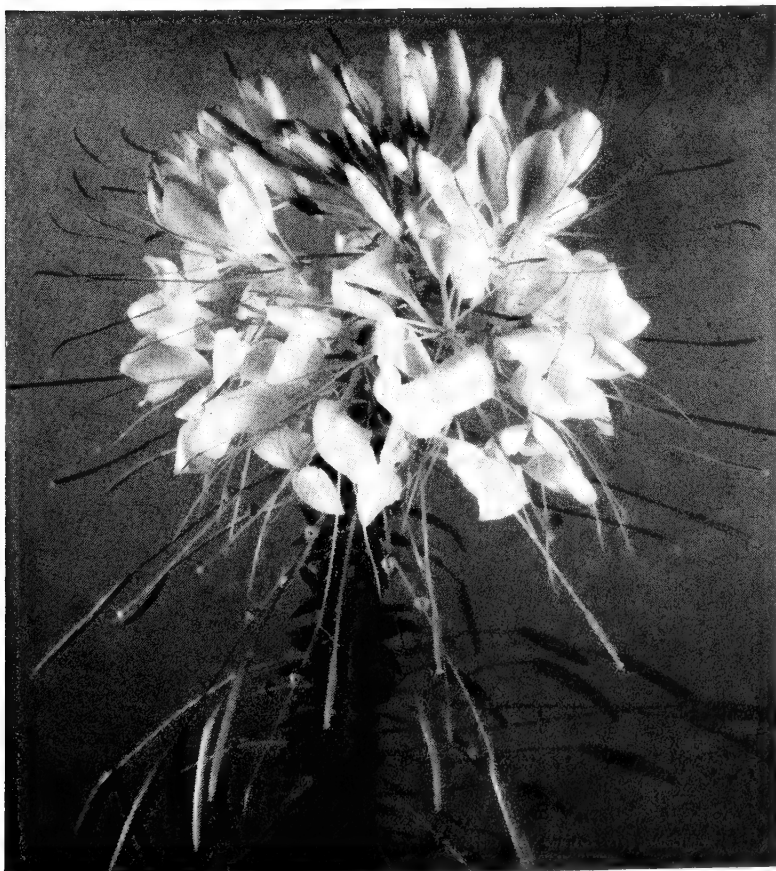
Mixture of all colors in this class.

Each: Tr. pkt., 15c; $\frac{1}{4}$ oz., 35c; 1 oz., \$1.25.

CLEOME—*Pink Queen. (Spider Plant). 12,000 S. A wonderfully attractive and extra large flowered strain of the old Spider Plant. Large heads (6 to 7 in. across) of newly opened luminous rosy pink flowers fading to a clear white as they mature give a distinct and pleasing bi-color effect. Makes a heavy hedge-like row about 4 ft. tall and 3 to 4 ft. across. Tr. pkt., 30c; $\frac{1}{4}$ oz., 50c; 1 oz., \$1.75.

COBAEA—SCANDENS. 375 S. A fine, strong growing, annual climber.

Purple. The preferred color. Tr. pkt., 15c; $\frac{1}{4}$ oz., 25c; 1 oz., 75c.



Cleome Pink Queen makes a wonderful display.

Costly BACK ORDERING means time lost in starting crops. Rather than keep you waiting for items that are delayed or scarce we will substitute with varieties EQUALLY GOOD OR BETTER unless you say "No Substitute."

MISCELLANEOUS ANNUALS—Continued

COLEUS—3,500 seeds per $\frac{1}{32}$ oz. Although seedling coleus do not come true to any certain color type, their interesting and attractive variation of colors makes them of value in combination work as well as for specimen plants where no particular color type is required.

***Rainbow Mixture.** A fine strain containing many choice colors. Tr. pkts. only, **60c.**

***Giant Exhibition Mixture.** An excellent, extra large leaved strain that is un-surpassed in brilliance of coloring. Contains many unusual pastel pink and salmon shades as well as striking scarlet and gold combinations. Our own greenhouse grown seed. Tr. pkt., **\$1.00**; $\frac{1}{32}$ oz., **\$2.00.**

***CORAL FLOWER**—Small bright carmine flowers, freely produced on 24 to 30 in. stems. Grown principally for the small deep coral seed capsules that are really more attractive than the flowers. Fine for filler work in bouquets and easily grown once the quite small seed is germinated. Tr. pkt., **30c**; $\frac{1}{16}$ oz., **75c**; $\frac{1}{8}$ oz., **\$1.40.**

COSMOS—SENSATION. 5000 S. The most satisfactory class of Cosmos to grow for cut flower purposes. Extra large flowered and extremely early, making it suitable for growing outdoors even in northern climates. Our strains as listed below are very true to color.

***Dazzler.** Bright crimson red. This is a marked improvement over strains previously offered. Tr. pkt., **20c**; $\frac{1}{4}$ oz., **50c**; 1 oz., **\$1.60.**

***Pinkie.** Pink.

***Purity.** Extra large flowered pure white.

***Mixture** of above and other shades.

Prices on above (except Dazzler) each: Tr. pkt., **20c**; $\frac{1}{4}$ oz., **35c**; 1 oz., **\$1.15.**

EXTRA EARLY EXPRESS. 5000 S. Flowers in 45 days from an outdoor sowing.

Mixture of all colors. Tr. pkt., **15c**; $\frac{1}{4}$ oz., **25c.**

EARLY SINGLE MAMMOTH FLOWERED. 5000 S. Ours are re-selected strains in the standard large flowered class.

Crimson Queen Rose Queen White Queen

Queen Mixture of above colors.

Each: Tr. pkt., **15c**; 1 oz., **60c.**

EXTRA EARLY DOUBLE ANEMONE-FLOWERED OR CRESTED. 5000 S. Produces around 60% large crested flowers. **Carnelia**, crimson; **Peach Blossom**, pink; **Whirlwind**, white; **Mixture.**

Each: Tr. pkt., **30c**; $\frac{1}{4}$ oz., **60c**; 1 oz., **\$2.25.**

GIANT FLOWERED LADY LENOX. 5000 S. The extra large flowered late blooming class.

Pink White Mixture
Each: Tr. pkt., **15c**; 1 oz., **40c.**

HYBRIDA KLONDYKE. 2800 S.

Orange Flare. Very early and free flowering and a fine bright orange. Blooms same time as the Sensation type. Tr. pkt., **15c**; $\frac{1}{4}$ oz., **25c**; 1 oz., **85c.**

***Orange Ruffles.** An attractive semi-double; the same bright orange as Orange Flare but even earlier flowering and slightly dwarfer. Blooms very profusely and is uniformly true to type. Tr. pkt., **15c**; $\frac{1}{4}$ oz., **35c**; 1 oz., **\$1.00.**

***Yellow Flare.** A bright clear yellow. Similar to Orange Flare in its early and very free flowering habit, and vigorous growth. Tr. pkt., **15c**; $\frac{1}{4}$ oz., **35c**; 1 oz., **\$1.00.**

CUPHEA—Firefly. 7000 S. A very attractive spring pot plant that makes excellent bedding or border material. With us, a March sowing reaches a height of 12 in. and covers itself with small bright scarlet flowers thruout the summer. Plants are bushy and compact. Tr. pkt., **25c**; $\frac{1}{8}$ oz., **70c**; $\frac{1}{4}$ oz., **\$1.25.**

CYCLAMEN—We have ample supplies of practically all of the following varieties. **Prices shown below are net, no cash discount.**

	100 Seeds	1000 Seeds
No. 1 Dark Blood-Red.....	\$1.75	\$16.00
No. 2 Bright Red.....	1.75	16.00
No. 3 Pure Rose	1.75	16.00
No. 4 Soft Rose with carmine eye. (Improved Rose of Marienthal) ...	1.75	16.00
No. 5 White with carmine eye.....	1.75	16.00
No. 6 Pure White	1.75	16.00
No. 7 Bonfire. Brilliant salmon.....	2.25	20.00
No. 8 Salmon Scarlet (America Imp.)..	2.30	21.00
No. 9 New Salmon-Rose Imp.....	2.25	20.00
No. 10 Glory of Wandsbek (Perle of Zehlendorf). Dark salmon.....	2.20	18.00
No. 11 Rose of Zehlendorf. Light salmon..	2.20	18.00
No. 12 Orange Beauty. Orange-vermilion..	2.30	21.00
No. 14 Morning Red	2.20	18.00
No. 16 Saffron-Red, Silver Edge.....	2.25	20.00
No. 18 Mozart Deep Pink.....	2.30	21.00
No. 19 Lavender	1.75	16.00
No. 20 New Ruffled. Especially attractive class	2.30	21.00
No. 21 Pink Pearl. Salmon-pink.....	2.30	21.00
Mixture of above colors.....	1.65	15.00

VOGT'S DOUBLE STRAIN.

We handle only Mr. Vogt's seed of this attractive double type.

Mixture of all colors. Priced at: 100 seeds, **\$3.50**; 250 seeds, **\$7.00**; 500 seeds, **\$13.00.**



Cyclamen growing is a specialized job. Special conditions of moisture, temperature, and soil must be closely watched or the 16-18 month's time required to mature a plant will be wasted. Our Ball Red Book devotes a chapter to Cyclamen growing, written by John Vogt, a successful Cyclamen specialist.

MISCELLANEOUS ANNUALS—Continued

CYNOGLOSSUM—AMABILE. Chinese Forget-me-not. 5000 S.

***Firmament.** The most intense, clear blue in outdoor annuals; very free flowering. Of fine bushy, compact habit that makes it an excellent bedding plant. Stands hot, dry weather well. Tr. pkt., **20c**; ¼ oz., **35c**; 1 oz., **\$1.25**.

***Blue Bird.** An improved upright growing type. Tr. pkt., **20c**; ¼ oz., **30c**; 1 oz., **\$1.00**.

Pink. Tr. pkt., **15c**; ¼ oz., **25c**; 1 oz., **80c**.

DAHLBERG DAISY—An unusually attractive, compact edging plant with airy lace-like leaves. Produces a profusion of small yellow flowers continuously from late spring until frost. Forms a very even row, 6 to 8 in. high and 12 to 14 in. across. Germination somewhat irregular except in spring months. Tr. pkt., **50c**; ⅛ oz., **\$1.25**; ¼ oz., **\$2.25**; 1 oz., **\$8.00**.

DAHLIA—2800 S. Seedling strains are enjoying an ever increasing popularity as outdoor bedding stock, especially the dwarf Unwin and Coltness strains. Flowers first season from an early sowing.

***Unwin's Dwarf Hybrids.** Our strain of this popular variety is especially re-selected for evenness of dwarf habit and a wide range of attractive colors in both double and semi-double forms. Seed sown during January will produce saleable 3 to 4 in. flowering pot plants in May. Tr. pkt., **25c**; ¼ oz., **70c**; 1 oz., **\$2.50**; 4 oz., **\$7.50**.

COLTNESS STRAIN. 18 in. Single. Dwarf and free flowering. Mixture of all colors. Tr. pkt., **25c**; ¼ oz., **45c**; 1 oz., **\$1.50**.

For **Daisies**, see Felicia this page, Agathea, page 17.

For **Perennial Daisies**, see page 32.

DELPHINIUM—CHINENSIS or Annual Delphinium. 20,000 seeds per oz. A January sowing, makes a nice late spring cut flower crop.

***Cambridge Blue.** The standard Belladonna-blue variety. Tr. pkt., **35c**; ¼ oz., **75c**; 1 oz., **\$2.60**.

White	Dark Blue	Mixture
Prices on above three; Tr. pkt., 20c ; ¼ oz., 35c ; 1 oz., \$1.25 .		

DIANTHUS 25,000 S.—**Annual Sweet William.** (D. barbato-sinensis). 12 in. Single mixed. Tr. pkt., **15c**; ¼ oz., **25c**; 1 oz., **75c**.

***Sweet Wivelsfield Single Mixed.** 12 in. Probably the most popular of the annual Dianthus. Free flowering and brilliantly colored. Tr. pkt., **15c**; ¼ oz., **30c**; 1 oz., **\$1.00**.

Sweet Wivelsfield Double Mixed. Same as above but most flowers either semi or double. Tr. pkt., **25c**; ¼ oz., **60c**; 1 oz., **\$2.00**.

HEDDEWIGI. (Double Pinks.) 10 in. Fine for rock garden and border work.

***Fireball.** Deep scarlet.

Pink Beauty. Blush-pink.

***Snowdrift.** Extra large flowered pure white.

Imperator Mixture of all colors in this double class.

Laciniatus Splendens. Single. Brilliant crimson; white eye. Prices on all the above, each: Tr. pkt., **20c**; ¼ oz., **35c**; 1 oz., **\$1.25**.

For **Hardy Dianthus**, including Latifolius Atroc., see page 32.

DIDISCUS—Coeruleus. (Blue Lace Flower.) 10,000 S. Freely produces small (1½ to 2 in.) heads of light bluish lavender flowers. Useful for spring forcing or outdoors in cool climates. Tr. pkt., **15c**; ¼ oz., **30c**; 1 oz., **\$1.00**.

DIMORPHOTHECA—Aurantiaca Hybrids Mixed. 9500 S. 6 to 10 in. 2 in. single daisy-like flowers in bright yellow, buff and orange shades. Tr. pkt., **20c**; ¼ oz., **30c**; 1 oz., **\$1.00**.

DRACAENA—Indivisa. 1500 S. The narrow-leaved and most popular variety. Tr. pkt., **15c**; 1 oz., **50c**; 4 oz., **\$1.50**; 1 lb., **\$5.00**.

Australis. 1000 S. The broader-leaved kind. Tr. pkt., **20c**; ¼ oz., **30c**; 1 oz., **90c**.

For **Dusty Miller**, see Cineraria, page 21, and Centaurea, page 20.

ECHIUM—Blue Bedder. 6500 S. 12 in. Very early blooming annual producing tiny bell-shaped blue flowers thruout the summer until frost. Tr. pkt., **15c**; ¼ oz., **30c**; 1 oz., **\$1.00**.

ESCHOLTZIA—Aurantiaca. 20,000 S. 1 ft. The true California Poppy. Rich orange. Tr. pkt., **15c**; 1 oz., **50c**.

For **Bush Escholtzia**, see Hunnemannia, page 24.

EUPHORBIA—Variegata. 2500 S. The popular Snow-on-the-mountain. Tr. pkt., **15c**; 1 oz., **50c**; 1 lb., **\$4.00**.

Heterophylla. (Annual Poinsettia or Mexican Fire Plant.) 5000 S. 36 in. Makes small Poinsettia-like formations at tips of branches. Tr. pkt., **15c**; ¼ oz., **30c**; 1 oz., **\$1.00**.

For the **Hardy Euphorbias**, see page 33.

EXACUM—Affine. 27,000 S. per ½ oz. An easily grown, neat, and attractive pot plant. Richly fragrant violet-blue flowers. Very fine seed. Tr. pkt., **\$1.00**.

FELICIA—Bergeriana. 150,000 S. (King Fisher Daisy.) The dwarf blue daisy for pot and conservatory work. 6 in. Germination apt to be slow and irregular. Tr. pkt., **35c**; ¼ oz., **\$1.00**.

For **Forget-Me-Nots**, see Cynoglossum, this page, and Myosotis, page 25.

GAILLARDIA—PICTA. 14,000 S. Annual Gaillardia. Fine free flowering brightly colored material for beds or borders.

***Indian Chief.** 12 to 15 in. An even and very free flowering single strain with solid red flowers.

Lorenziana Double Mixed. 12 in. Quite attractive and free flowering double strain of orange, yellow, red and rose shades. The above two varieties priced at, each: Tr. pkt., **15c**; ¼ oz., **25c**; 1 oz., **85c**.

For **Perennial Gaillardia**, see page 33.

GILIA—Capitata. (Blue Thimble Flower.) 100,000 S. 24 in. Ball shaped blue flowers. Tr. pkt., **15c**; 1 oz., **40c**.

GLOXINIA—2500 seeds per ½ oz. Sow in December or January for blooming plants in 4 inch pots during June and July.

Heatherset Hybrids Mixed. An erect growing mixture of varied and attractive colors. All Gloxinia seed is very fine and must be handled carefully. Tr. pkt., **\$1.00**; 6 pkts., **\$5.00**.

***Panzer Strain.** This strikingly beautiful velvety scarlet Gloxinia comes almost completely true from seed. Originated by one of the leading Pacific Coast pot plant growers who was not satisfied with ordinary strains for his discriminating trade. Tr. pkt., **\$1.00**; 6 pkts., **\$5.00**.

CODETIA—45,000 S. Should be grown in flats or shallow benches for greenhouse culture. Handle about like Clarkia.

UPRIGHT SINGLE. This class is especially attractive and much grown for greenhouse cut flowers.

***Duke of York.** Bright carmine and white.

***Kelvedon Glory.** Rich apricot.

***Purity.** A clear white. **Mixed.**

Prices on the above varieties and Mixture, each: Tr. pkt., **25c**; ¼ oz., **50c**; 1 oz., **\$1.75**.

TALL DOUBLE GRANDIFLORA.

Carminia Improved. Pink with crimson blotched center.

Cherry Red. Deep red center, margined pink.

Lavender. **Rich Pink.** Clear deep pink.

White. Slightly tinted.

Mixture of colors in the Tall Double class.

Prices on the above varieties and Mixture, each: Tr. pkt., **15c**; ¼ oz., **25c**; 1 oz., **85c**.

MISCELLANEOUS ANNUALS—Continued

CODETIA, continued

DWARF DOUBLE AZALEA FLOWERED.

***Sybil Sherwood.** 18 in. Bright salmon-pink, edged white. Tr. pkt., 25c; ¼ oz., 60c; 1 oz., \$2.00.

GOMPHRENA (Globe Amaranth)—5500 S. An attractive everlasting garden flower with some value for cutting. A fine bedder for hot, dry climates.

Aurea Superba. Large flowered orange. Needs support for straight stemmed cut flowers.

GLOBOSA. Round, ball shaped flowers.

Rubra. 30 in. Magenta Purple. A bright deep shade.

Mixture of colors.

Prices on the above varieties and Mixture, each: Tr. pkt., 15c; ¼ oz., 30c; 1 oz., \$1.00.

Buddy. Dwarf compact plants with small ball-shaped flowers of bright reddish purple. Fine for bedding, pot plants or combination boxes. Better have some of this. Tr. pkt., 30c; ¼ oz., 60c; 1 oz., \$2.00.

ORNAMENTAL GOURD—Easily grown; when properly dried and varnished, last indefinitely.

***La Montagne Strain.** 475 S. The finest selected strain of mixed Gourds we have tried. We handle originator's seed. Tr. pkt., 25c; ¼ oz., 45c; 1 oz., \$1.50.

SMALL VARIETIES. 450 S.

Spoon. More or less spoon-shaped. Orange and white striped. 4 to 6 in. long by 1 in. wide.

Warted Types Mixed. Not over 4 in. in diameter.

Prices on above two **Each:** Tr. pkt., 15c; 1 oz., 50c.

GREVILLEA—Robusta. (Australian Silk Oak). 3000 S. Seed sown in early spring and grown in 60 deg. house will make nice 5 in. pot specimens by fall. Give bottom heat and a well drained soil. Valuable for combinations. Because it holds foliage well, is being used with Poinsettias instead of Asparagus. Tr. pkt., 20c; ¼ oz., 50c; 1 oz., \$1.60.

GYPSOPHILA—ELEGANS. (Baby's Breath). 24,000 S. We offer with confidence the following strains as the most uniform available. Altho the larger flowered varieties are attractive and fine, the smaller flowered ones outlast them for bouquet work.

***New York Market.** A fine pure white variety. Outstanding for its large extra petaled flowers and strong growth. 1 oz., 35c; 4 oz., 90c; 1 lb., \$2.75; 5 lbs., \$11.00.

***Covent Garden Market.** A very excellent strain with large and full-petaled flowers, about 75% of which have 6 to 8 petals. 1 oz., 25c; 4 ozs., 75c; 1 lb., \$2.25; 5 lbs., \$8.50.

***Paris Market.** Smaller flowered than the above stock. Holds up well. 1 oz., 25c; 4 ozs., 70c; 1 lb., \$2.00; 5 lbs., \$8.00.

Carminia. Same as Paris Market except a bright carmine pink. Tr. pkt., 15c; 1 oz., \$1.20; 4 oz., \$4.00.

Crimson. Darker selection of the above. Tr. pkt., 15c; 1 oz., \$1.20.

For **Hardy Gypsophila**, see page 33.

HELIANTHUS (Sunflower). 650 S.—***Sungold.** Of uniform medium height (4 to 5 ft.) with practically 100% fully double golden yellow flowers about 4 in. in diameter. From a sowing made outdoors early last May, we cut hundreds of beautiful Chrysanthemum-like flowers during August, that our market readily paid a good price for. Pinching will produce a larger quantity of smaller flowers. Tr. pkt., 15c; ¼ oz., 25c; 1 oz., 75c.

HELICHRYSUM—MONSTROSUM. 36,000 S. The most popular double strawflower. Widely used for drying.

Canary-Yellow

Fireball (Scarlet)

Golden Globe

Rose Queen

Formula Mixture Each: Tr. pkt., 15c; ¼ oz., 30c; 1 oz., \$1.00.



Helianthus—Sungold

HELIOTROPE 50,000 S.—***Dwarf Regale Mixture.** 15 in. A fine even clear colored strain with extra large flower heads. Richly fragrant. Tr. pkt., 35c; ¼ oz., 90c; 1 oz., \$3.25.

Lemoine's Giant Mixture. 24 to 30 in. Tr. pkt., 35c; ¼ oz., 75c; 1 oz., \$2.50.

HOLLYHOCK (Annual)—**Indian Spring.** 13,000 S. 4 to 5 ft. Starts to bloom 5 months from seed sowing and continues until frost. Semi-double light pink and rose flowers are borne mostly on central spike. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.75.

HUNNEMANNIA—FUMARIAEFOLIA. 8000 S. (Bush Escholtzia).

***Sunlite.** Brilliant Canary-yellow, semi-double. Tr. pkt., 25c; ¼ oz., 45c; 1 oz., \$1.65.

Single Yellow. Tr. pkt., 15c; 1 oz., 60c.

For **Hardy Iberis**, see page 33.

IPOMOEA (Moonflower or Morning Glory)—The 3 varieties immediately following, constitute the finest types for carrying out today's popular red, white and blue color scheme.

***Crimson Rambler.** A fine large flowered bright carmine red with attractive white center. Vigorous and free flowering. Tr. pkt., 15c; ¼ oz., 25c; 1 oz., 75c.

***Pearly Gates.** A fine early flowering clear white Morning Glory with slight cream shading in throat. Similar to the popular Heavenly Blue in habit but not quite as early flowering. Tr. pkt., 35c; ¼ oz., 45c; 1 oz., \$1.40; 4 ozs., \$5.00.

***Heavenly Blue.** 800 S. Clark's Mammoth Early Free Flowering Strain. The popular sky blue shade that is a solid sheet of vivid color all summer. Can be forced into flower for spring sales in 3 or 4 in. pots from a sowing made 8 to 10 weeks previously. Tr. pkts., 20c; 1 oz., 65c; 4 ozs., \$2.00.

White Magic. A very fine cream-throated white. Quite similar to Pearly Gates in our trials. May show differences in other localities. Tr. pkt., 35c; ¼ oz., 45c; 1 oz., \$1.40; 4 ozs., \$5.00.

MISCELLANEOUS ANNUALS—Continued

IPOMOEA, continued

Cornell. A large flowered bright Carnelian red with white edge. Tr. pkt., **25c**; ¼ oz., **45c**; 1 oz., **\$1.50**.

Scarlett O'Hara. 650 S. Brilliant carmine-red variety. Tr. pkt., **20c**; ¼ oz., **40c**; 1 oz., **\$1.00**.

Rose Marie. 1100 S. Double deep rose. Quite free and early flowering. Tr. pkt., **15c**; ¼ oz., **25c**; 1 oz., **80c**.

Quamoclit (Cardinal Climber). 100 S. Small red flowers freely produced. Tr. pkt., **25c**; ¼ oz., **60c**; 1 oz., **\$2.00**.

NOCTIFLORA. 110 S. Large flowered white.

Black-Seeded

White-Seeded

Each: Tr. pkt., **15c**; 1 oz., **40c**; 4 oz., **\$1.35**; 1 lb., **\$4.00**.

KALANCHOE—*Tom Thumb. A dwarf compact strain of this popular succulent. Produces perfectly rounded symmetrical plants literally covered with bright scarlet flowers. A Jan. or Feb. sowing will provide fine 4 in. specimens for next winter's sales. We feel sure that this item should not be overlooked. Tr. pkt., **\$1.25**; ¼ oz., **\$5.00**; ½ oz., **\$9.00**.

Globulifera Coccinea. The original rather tall growing Kalanchoe. Should be handled the same as the above variety but its stronger growth will produce larger plants. Tr. pkt., **60c**; ¼ oz., **\$1.60**.

KOCHIA (Summer Cypress). 45,000 S.—**Childsii.** 24 in. Stays a clean fresh green thruout the entire season. Very attractive dense bushes. Tr. pkt., **10c**; 1 oz., **25c**.

LANTANA 1300 S.—**Dwarf Hybrids Mixed.** 12 in. Must be sown early and with bottom heat. Tr. pkt., **25c**; ¼ oz., **55c**; 1 oz., **\$1.80**.

LARKSPUR—see page 11.

LAVATERA—Loveliness. 4500 S. (Splendens) Very attractive early flowering annual, with 2 in. Hollyhock-like single flowers of a deep salmon rose shade. Tr. pkt., **15c**; ¼ oz., **30c**; 1 oz., **\$1.00**.

LEPTOSYNE—Stillmanii. 25,000 S. 18 in. Nice golden yellow for cutting. Flowers 6 to 8 weeks from seed. Tr. pkt., **15c**; ¼ oz., **30c**; 1 oz., **\$1.00**.

LINARIA—MAROCCA. (Miniature Snapdragon).

Fairy Bouquet. 600,000 S. 10 in. Flowers very early and freely. Bright mixture of colors. Tr. pkt., **20c**; ¼ oz., **45c**; 1 oz., **\$1.50**.

LOBELIA—700,000 S. Where protection from direct sun can be given them and in not too hot climates, Lobelia are unsurpassed for bright blue and white edging, hanging and trailing work. All varieties come quite true.

COMPACTA. 6 in. Of dwarf compact habit.

***Blue Gown.** Standard free flowering deep blue. Very fine.

Cambridge Blue. Very dwarf, restricted, light blue.

***Crystal Palace.** Very dwarf deep blue with dark bronzy green foliage. A fine standard variety.

Emperor William. Deep blue with light green foliage.

***Mrs. Clibran Imp.** Deep blue with contrasting white eye and light foliage.

Prices on above five varieties: Tr. pkt., **25c**; ¼ oz., **85c**; 1 oz., **\$3.00**.

Mixture of all colors in the compacta class. Tr. pkt., **25c**; ¼ oz., **60c**; 1 oz., **\$2.00**.

PENDULA. Of trailing or pendulous habit.

Sapphire. Deep blue with white eye. Light green foliage. Tr. pkt., **35c**; ¼ oz., **\$1.00**.

For **Perennial Lobelia**, see page 34.

LUPINE—A good spring crop of the annual type can be flowered in 3 in. pots from a Jan. sowing spaced close so as to flower one spike to a plant. We prefer the Giant Kings.

GIANT KING. 1300 S. Some longer stemmed and earlier flowering than the regular Hartwegii.

***Oxford Blue.** Standard rich deep blue.

Sky Blue

Heliotrope. A pleasing rosy purple shade.

White

Mixture of above colors.

Each: Tr. pkt., **20c**; 1 oz., **80c**; 4 oz., **\$2.65**; 1 lb., **\$8.00**.

HARTWEGII. 1400 S. The standard cut flower strain.

Dark Blue, Roseus, Sky Blue, White, Mixture

Each: Tr. pkt., **15c**; 1 oz., **75c**; 4 oz., **\$2.25**.

For **Perennial Lupine** Polyphyllus, see page 34.

MARIGOLDS—See pages 10 and 11.

MARVEL OF PERU—(Mirabilis Jalapa). 325 S.

Dwarf Mixture. A uniformly dwarf (18 to 20 in.) strain of old fashioned "Four O'Clocks." Well adapted for bedding or border work and will do nicely under adverse growing conditions. Fine range of bright colors. Tr. pkt., **15c**; 1 oz., **40c**; 1 lb., **\$4.00**.

MIGNONETTE—27,000 S. May be sown in January for spring cutting.

***Ball Strain.** Considerably whiter and 2 to 3 weeks earlier than New York Market. ½ Tr. pkt., **60c**; Tr. pkt., **\$1.00**; ¼ oz., **\$1.75**.

New York Market. A standard cut flower strain. Tr. pkt., **75c**; ¼ oz., **\$1.50**.

MACHET. For summer bedding.

Golden Goliath.

Goliath Red

Each: Tr. pkt., **15c**; ¼ oz., **30c**; 1 oz., **\$1.00**.

MYOSOTIS (Forget-me-not)—***Ball Early.** 44,000 S. Free flowering, spring blooming plants of this always popular bright blue flower can be had from a sowing made as late as Jan. Our early flowering strain should not be confused with the other types listed with the perennials. Tr. pkt., **35c**; ¼ oz., **85c**; 1 oz., **\$3.00**.

For other **Myosotis**, see perennial list, page 34.

NASTURTIUM—Richly colored, fragrant flowers freely produced on long stems explain why the Double Gleam Type has become so popular with florists almost everywhere. No retail grower should be without them in the spring for combinations, window boxes and cut flowers.

DOUBLE GLEAM TYPE. 175 S. Of trailing or climbing habit. Vigorous growers; fine for cutting or window boxes.

***Golden Gleam.** The original Gleam Nasturtium; golden yellow.

***Scarlet Gleam.** Same as above but a brilliant scarlet.

Salmon Gleam. Delicate golden-salmon.

Orange Gleam. Deep glowing orange.

***Gleam Hybrids.** A brilliant mixture of all double varieties. Prices on all the above varieties: 1 oz., **25c**; 4 oz., **70c**; 1 lb., **\$2.40**.

DWARF DOUBLE TYPE. 175 S. Fully as double and large as the Gleam type, the following varieties are of a very attractive dwarf compact, rounded growth. 12 to 15. in. high.

***Golden Globe.** Same color as Golden Gleam.

Scarlet Gem. Brilliant scarlet.

Mixture of all colors in this dwarf class.

Prices on all the above varieties, each: 1 oz., **30c**; 4 oz., **80c**; 1 lb., **\$2.75**.

MISCELLANEOUS ANNUALS—Continued

NASTURTIIUM, continued

SINGLE VARIETIES. 225 S.

Dwarf Mixture of all colors in the dwarf class.

California Giant Single Mixture of colors in the tall, trailing class.

Prices on the above varieties, each: 1 oz., **20c**; 4 ozs., **65c**; 1 lb., **\$2.25**.

NEMESIA (Strumosa Suttoni) 90,000 S.—**GRANDIFLORA**. Large flowered and long-stemmed. 14 to 16 in. Fine for spring cutting and combination work. Varieties come quite true and are used for greenhouse forcing.

Blue. A standard color. ***Orange**. A bright orange.

Mixture of all colors in this tall class.

Prices on the above varieties and mixture: Tr. pkt., **25c**; ¼ oz., **75c**; 1 oz., **\$2.50**.

NANA COMPACTA. Of more dwarf habit, 6 to 8 in. Branches freely from the base, making attractive rounded specimens. Excellent for pots and short combination work.

***Triumph Mixed**. A very attractive mixture with a wide range of well balanced colors. Tr. pkt., **25c**; ¼ oz., **75c**; 1 oz., **\$2.50**.

NICOTIANA (Flowering Tobacco)—275,000 S. Sweet scented.

***Suaveolens**. 18 in. A dwarf and compact small flowered white. Tr. pkt., **25c**; ¼ oz., **85c**.

AFFINIS

***Crimson Bedder**. 15 in. Makes a very compact growth and very free flowering. Deep crimson red. Tr. pkt., **25c**; ¼ oz., **60c**; 1 oz., **\$2.00**.

White. 36 in. Tall and large flowered. Tr. pkt., **15c**; 1 oz., **60c**.

Hybrids Mixture. A hybrid mixture of many shades in the tall large flowered type. Tr. Pkt., **15c**; 1 oz., **60c**.

NIEREMBERGIA 5,500 S. per ½ oz.—***Purple Robe**.

In depth and richness of color this striking bluish-lilac variety represents a great improvement over the original *N. Hippomanica* (Coerulea) listed below. Retains its brilliance without fading under strong summer sun and is uniformly dwarf and compact in habit. Combined with many of the marigold varieties, an unusually brilliant and attractive bedding effect can be had. Tr. pkt., **50c**; ½ oz., **\$1.65**; ¼ oz., **\$3.00**.

Hippomanica (Coerulea). Very free flowering; does well in slight shade as well as open sun; growth is uniformly dwarf and compact (5 to 6 in.). Bright lavender-blue color, deepening some in slight shade. Tr. pkt., **35c**; ½ oz., **95c**; ¼ oz., **\$1.75**.

NIGELLA (Damascena Double) 11,000 S.—**Miss Jekyll** (Love-in-a-mist). Cornflower-blue.

Mixture. Contains shades of light and dark blue and white. Each: Tr. pkt., **15c**; 1 oz., **60c**.

PANSIES 25,000 S.—A January sowing of both Pansies and Violas will make nice small flowering plants to sell out of flats or in made-up pans in late spring and early summer.

***Ball Giant Mixture**. Our well-known, excellent all-purpose mixture. We use the finest strains available of Swiss or Roggli giants, adding separate colors to insure a well-balanced color blend. Our finest bedding Pansy strain. Tr. pkt., **60c**; ¼ oz., **\$2.50**; 1 oz., **\$8.00**; 4 ozs., **\$30.00**.

***Ball Giant Mixture Dwarf Strain**. A fine Roggli or Swiss Giant strain selected for dwarf and compact habit. Tr. pkt., **60c**; ¼ oz., **\$2.50**; 1 oz., **\$8.00**; 4 ozs., **\$30.00**.

***Maple Leaf Giants**. Our best extra large flowered strain. Heavy growth with good stems. Tr. pkt., **60c**; ½ oz., **\$1.50**; ¼ oz., **\$2.75**; 1 oz., **\$9.00**.

PANSIES, continued

***Englemann's Giant Mixture**. An excellent, large flowered strain with a bright and complete color range. Fairly compact growth. We offer originator's seed only. Tr. pkt., **75c**; ¼ oz., **\$3.75**; 1 oz., **\$12.00**.

Roggli Giant Mixture. A fine bedding strain, predominating in rich red and bronze shades. Tr. pkt., **60c**; ¼ oz., **\$2.50**; 1 oz., **\$8.00**.

We also supply imported seed in the originator's packets as follows: Tr. pkt., **\$1.25**; ⅛ oz., **\$2.50**; ¼ oz., **\$4.50**.

Geneva Giants. A choice American selected strain of Swiss Giants. Tr. pkt., **75c**; ¼ oz., **\$2.75**; 1 oz., **\$9.00**.

Dwarf Geneva Giants. A compact growing selection of the above. Tr. pkt., **60c**; ⅛ oz., **\$1.25**; ¼ oz., **\$2.50**; 1 oz., **\$8.00**.

Canadian Giants. An excellent, extra large flowered selection from Maple Leaf Giants. Tr. pkt., **90c**; ⅛ oz., **\$1.75**; ¼ oz., **\$3.00**; 1 oz., **\$10.00**.

Steele's Jumbo Mixture. We handle the originator's seed only of this popular American strain. Tr. pkt., **\$1.00**; ⅛ oz., **\$2.50**; ¼ oz., **\$4.50**; 1 oz., **\$15.00**.

Improved Swiss Giants. Predominates in rich bronze and red shades. Tr. pkt., **60c**; ¼ oz., **\$2.50**; 1 oz., **\$8.00**.

America. An exceptionally free flowering mixture of choice colors. Dwarf and extra early. Tr. pkt., **75c**; ¼ oz., **\$3.00**; 1 oz., **\$10.00**.

***Ball Winter Flowering**. A tall growing winter cut-flower variety; at its best from a late summer sowing. Not for bedding. ½ Tr. pkt., **60c**; Tr. pkt., **\$1.00**; ⅛ oz., **\$2.50**; ¼ oz., **\$4.75**.

SWISS GIANTS IN SEPARATE COLORS

***Coronation Gold**. The finest clear yellow.

***Lake of Thun**. A fine, large flowered medium blue with darker center.

Alpenglow. Rich garnet red.

Rhinegold. Large flowered yellow with dark center.

Mt. Blanc. Best clear white in the large-flowered Swiss type. Prices on all above Swiss separate color varieties each: Tr. pkt., **75c**; ⅛ oz., **\$1.75**; ¼ oz., **\$3.00**; 1 oz., **\$10.00**.

PENTSTEMON (Beard Tongue) 55,000 S.—**Sensation Mixture** Tr. pkt., **35c**; ¼ oz., **80c**.

PETUNIAS—See pages 2, 3, 4 and 5.

PHLOX DRUMMONDI—14,000 S. Popular and showy bedding annual. Because of the difficulty of producing seed of this formerly imported item, we are able to offer seed of the Grandiflora and Nana Compacta classes in mixture only.

GRANDIFLORA. 15 to 18 in. Fine, free flowering bedding and border material. Also nice for cutting.

Special Mixture of all colors in this tall class. Each: Tr. pkt., **40c**; ¼ oz., **\$1.50**; 1 oz., **\$5.00**.

GRANDIFLORA GIGANTEA. Somewhat stronger in growth and larger flowered than the above.

***Red Glory**. A bright scarlet red with large contrasting white eye.

Rosy Morn. A particularly bright, clear rose pink with large white eye.

Salmon Glory. Rich soft salmon-rose with creamy white eye.

Art Shades Mixture. Large flowered mixture of pastel shades with white eyes.

Prices on above 3 varieties and Mixture: Tr. pkt., **40c**; ¼ oz., **\$1.20**; 1 oz., **\$4.00**.

NANA COMPACTA. 6 to 8 in. Of dwarf compact growth, fine for low bedding and border work.

Mixture of all colors in this dwarf class. Tr. pkt., **40c**; ⅛ oz., **\$1.15**; ¼ oz., **\$2.10**; 1 oz., **\$7.00**.

For Pinks, see Dianthus, page 32.

MISCELLANEOUS ANNUALS—Continued

POPPY—ICELAND (P. Nudicaule). 250,000 S. The standard type for greenhouse spring forcing. Sow either direct or in pots and transplant.

The Emperor. Brilliant orange. Fine flower size and long stiff stems. Tr. pkt., **25c**; $\frac{1}{4}$ oz., **85c**.

***Sandford's Giants.** A fine standard Hybrid strain. Brilliant color mixture. Tr. pkt., **25c**; $\frac{1}{4}$ oz., **65c**; 1 oz., **\$2.25**.

SHIRLEY (P. Rhoëas). 70,000 S.

Formula Mixture of all colors in the Shirley class. Tr. pkt., **15c**; 1 oz., **50c**.

For **Oriental Poppies**, see perennial list page 34.

PORTULACA—280,000 S. Very excellent easily grown outdoor bedding plant. Will flower 30 to 45 days from sowing in late spring or early summer.

Single Mixture. Tr. pkt., **20c**; $\frac{1}{4}$ oz., **65c**; 1 oz., **\$2.25**.

***Double Mixture.** Special mixture of brilliant colors. Produces 85 to 90% true double flowers. Tr. pkt., **30c**; $\frac{1}{4}$ oz., **\$1.00**; 1 oz., **\$3.50**.

PRIMULAS—Primula Kewensis. Deep yellow winter flowering pot plant. Tr. pkt., **50c**.

PRIMULA MALACOIDES. 12,000 seeds per $\frac{1}{32}$ oz. A January sowing of this popular Primula can be developed into nice small pot plants for spring combinations. Easily grown, after they get started, but care must be used in germinating this seed since it will not tolerate fertilizer in the soil at this stage. Keep nitrate level below 20 ppm. All our seed is soil tested regularly for germination and we know it will grow if given a chance; **for this reason we cannot accept responsibility for non-germination of this seed.**

WE OFFER THE FOLLOWING IN MR. ERIKSSON'S OWN PACKETS:

No. 2 Glory of Riverside. Strong growing, beautiful salmon-rose. An excellent variety. 500 seeds, **\$1.00**; 2000 seeds, **\$3.00**.

No. 3 Eriksson's New Giant. Large flowered, late blooming, light salmon-rose. 500 seeds, **\$1.00**; 2000 seeds, **\$3.00**.

No. 5 New Baby Improved. Large flowered, deep glowing pink. Heavy stems. 800 seeds, **\$1.00**; 2000 seeds, **\$2.00**; 6000 seeds, **\$5.00**.

No. 11 Eriksson's White Giant. Pure White. Large flowers and heavy stems. 500 seeds, **\$1.00**; 2000 seeds, **\$3.00**.

No. 12 Eriksson's Pure White Improved. Free flowering; the finest white. 800 seeds, **\$1.00**.

No. 20 Eriksson's Special Mixed. Some of all the originator's varieties. 800 seeds, **\$1.00**; 2000 seeds, **\$2.00**; 6000 seeds, **\$5.00**.

WE OFFER THE FOLLOWING FROM OUR OWN GROWING:

No. 32 Glory of Riverside. (See previous description.) Tr. pkt., **\$1.00**; $\frac{1}{64}$ oz., **\$2.75**; $\frac{1}{32}$ oz., **\$5.00**.

No. 42 Pure White Improved. (See previous description.) Tr. pkts. only, **\$1.00**.

No. 60 Rosea Superba. Extra large flowered, rosy orchid. Tr. pkt., **\$1.00**; $\frac{1}{64}$ oz., **\$2.50**; $\frac{1}{32}$ oz., **\$4.50**.

No. 50 Mixture. Our own balanced formula mixture. Tr. pkt., **\$1.00**; $\frac{1}{64}$ oz., **\$2.50**; $\frac{1}{32}$ oz., **\$4.50**.

PRIMULA OBCONICA. 4000 seeds per $\frac{1}{32}$ oz. In spite of the skin irritation produced on some people, this large flowered brightly colored class continues to be popular.

***Fasbender's Red.** Our own strain. An outstandingly fine extra large flowered deep crimson red.

Mohnstein's Atrosanguinea. (Dark Red). Popular deep red.

***Mueller's Berlin Rose.** (Mueller's Rosea). Soft medium rose. Heavy compact plants and large flowers. Our own strain.

Lachsrosa. Salmon rose shades.

***Coerulea.** Clear mid-blue. A choice strain.

White. Rather tall growth.

***Formula Mixture.** Carefully blended mixture of above colors. **Prices on each above varieties:** Tr. pkt., **\$1.25**; $\frac{1}{64}$ oz., **\$2.25**; $\frac{1}{32}$ oz., **\$4.25**.

PRIMULAS, continued

Wyaston Wonder. (New). A special selection of this famous English variety. Vigorous growing, large flowered bright crimson. Tr. pkt., **\$1.25**; $\frac{1}{64}$ oz., **\$3.00**; $\frac{1}{32}$ oz., **\$5.50**.

For **Hardy Primulas**, see pages 34 and 35.

QUEEN ANNE'S LACE FLOWER—36,000 S. 24 in. Large heads of white flowers in umbels, similar to Didiscus. Nice filler for basket work. Tr. pkt., **20c**; $\frac{1}{4}$ oz., **30c**; 1 oz., **\$1.00**.

RICINUS (Castor Bean).—Very fast growing, tall, large leaved plants. Good for tall hedges and windbreaks.

Borboniensis Arboreus. 45 S. 10 ft. Reddish stems and veins. Small feathery white flowers in bunches.

Sanguineus. 7 ft. Reddish leaves and seed pods.

Zanzibariensis Mixed. 25 S. 10 ft. Foliage all green.

Prices on the above three: 1 oz., **20c**; 4 ozs., **60c**; 1 lb., **\$2.00**.

RUDBECKIA—85,000 S. Fine outdoor cutting material. Very free flowering in bright yellow, orange and brown shades.

***Starlight.** The only Rudbeckia strain we have seen that actually produces fully double, Dahlia-like flowers. An attractive mixture of autumn shades flowering on long stems; flower type ranges from nearly single to fully double. Tr. pkt., **30c**; $\frac{1}{4}$ oz., **90c**; 1 oz., **\$3.00**.

Hirta Autumn Tints (Herbswald). Fine long-stemmed strain for cutting. Shades from clear yellow thru variegated types to brown. Tr. pkt., **25c**; $\frac{1}{4}$ oz., **40c**; 1 oz., **\$1.50**.

Kelvedon Star. Fine long-stemmed cutting strain. Yellow, orange and mahogany shades with dark centers. Tr. pkt., **25c**; $\frac{1}{4}$ oz., **50c**; 1 oz., **\$1.50**.

For the hardy **Rudbeckia Purpurea**, see page 35.

SALPIGLOSSIS—125,000 S. Salpiglossis furnishes the retail grower with good cutting material either from a Feb. sowing indoors or a later one grown outdoors.

EMPEROR. 30 in. The tall kind for cutting.

Brown and Gold **Violet and Gold**

Rose and Gold **White and Gold**

Scarlet and Gold **Yellow and Gold**

***Mixture** of all colors. Each: Tr. pkt., **15c**; $\frac{1}{4}$ oz., **30c**; 1 oz., **90c**.

DWARF GIANT FLOWERED. 20 in. Fine for bedding and borders. **Mixture** of all colors in this dwarf class. Tr. pkt., **20c**; $\frac{1}{4}$ oz., **40c**; 1 oz., **\$1.35**.

SALVIA—SPLENDENS (Scarlet Sage). 12,000 S. This strikingly colorful annual is popular wherever bedding plants are grown. All Salvia seed we sell is produced for us in America by a specialist, and is fully equal to the finest pre-war Holland grown strains. However, Salvia seed is not at all plentiful this year, particularly the dwarf variety "Blaze of Fire." Please order early to assure your supplies.

***Blaze of Fire.** The standard extra early strain. Closely follows St. John's Fire in flowering and is somewhat stronger and more robust in growth. 14 to 16 in. Tr. pkt., **75c**; $\frac{1}{4}$ oz., **\$2.00**.

***Firebrand** (Early Harbinger). 18 in. Between Blaze of Fire and America in earliness of flowering. Remains in full flower throughout the summer. **Seed not available.**

***America** (Globe of Fire). 20 in. This is our uniformly true and even stock of this fine variety. The original unsurpassed Holland strain now American grown. Follows Firebrand in flowering date. Tr. pkt., **50c**; $\frac{1}{4}$ oz., **\$1.35**; 1 oz., **\$4.75**.

Bonfire. 26 in. Medium tall, very even. Tr. pkt., **50c**; $\frac{1}{4}$ oz., **\$1.35**; 1 oz., **\$4.50**; 4 ozs., **\$15.00**.

Splendens Tall. 30 to 36 in. Not early flowering. Tr. pkt., **35c**; $\frac{1}{4}$ oz., **\$1.00**; 1 oz., **\$3.50**; 4 ozs., **\$12.00**.

FARINACEA. 24,000 S.

MISCELLANEOUS ANNUALS—Continued

SALVIA, continued

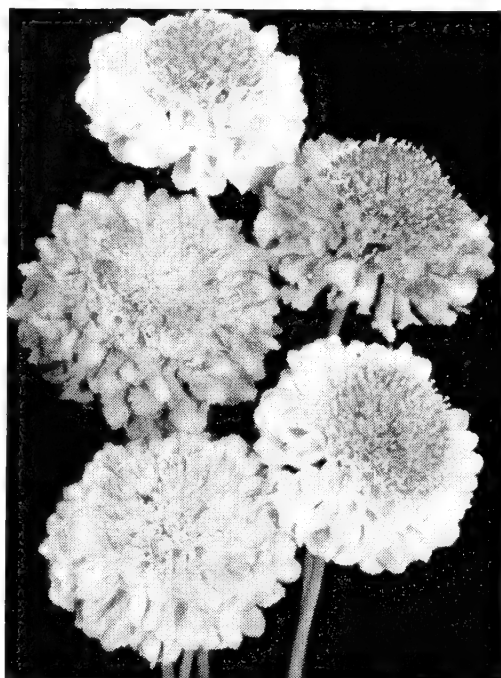
***Royal Blue.** An improved strain of Blue Bedder. More uniform in growth with deeper blue flowers. We recommend Royal Blue be used for your blue Salvia planting. Tr. pkt., 50c; ¼ oz., \$1.35; 1 oz., \$4.50.

Blue Bedder (Blue Salvia). 36 in. with long stems for cutting. Tr. pkt., 35c; ¼ oz., \$1.15; 1 oz., \$3.50.

***SANVITALIA—Procumbens.** 50,000 S. 4 to 5 in. Double creeping Zinnia. Small golden yellow flowers. Very fine dwarf edging plant. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.75.

SAPONARIA—VACCARIA. 5500 S. Gypsophila-like flowers.
White **Rose**
Each: 1 oz., 20c;
4 ozs., 65c.
For Saponaria
Ocyroides, see
page 35.

SCABIOSA—4500
S. Pleasing colors and long stemmed, free flowering habit make annual Scabiosa a worth while spring cut flower item when grown in a cool house. Sow directly in the open for summer cutting. No retail grower should be without some of this. The first two listed are our finest strains and biggest sellers.



Annual Scabiosa is valuable as an outdoor summer cutting item because of its ability to produce long stems and clean flowers under adverse conditions. Sow out direct in early spring.

***Giant Hybrid Mixture.** A special strain containing only the new large flowered varieties. Well-balanced in good cut flower colors. Use this mixture if you want only a small planting of Scabiosa for cutting. Tr. pkt., 20c; ¼ oz., 35c; 1 oz., \$1.00.

***Blue Moon.** Fine lavender-blue color with extra large, full double flowers and long, wiry stems. The standard market color. Tr. pkt., 25c; ¼ oz., 65c; 1 oz., \$2.25.

Ageratum Blue. Large-flowered azure blue.

Fire King. Bright scarlet.

King of the Blacks. Deep rich maroon.

***Loveliness.** Extra large flowered, deep salmon-pink.

***Shasta Improved.** Fine pure white.

Prices on each above: Tr. pkt., 15c; ¼ oz., 25c; 1 oz., 75c.
DWARF CLASS. For bedding and garden work. The stems are long enough for short-stemmed cut flowers and the shorter plants will hold themselves upright without support.

***Heavenly Blue.** Clear azure blue. Tr. pkt., 25c; ¼ oz., 55c; 1 oz., \$1.75.

Peace. White. Tr. pkt., 25c; ¼ oz., 55c; 1 oz., \$1.75.

Tom Thumb Mixture. 10 in. Extra dwarf and compact plants for bedding and edging. Mixture of colors. Tr. pkt., 20c; ¼ oz., 35c; 1 oz., \$1.00.

For Perennial Scabiosa, see page 35.

SCHIZANTHUS—60,000 S.—Pansy-Flowered Mixture. Flowers flat and full petalled, resembling small Pansy flowers. Tr. pkt., 35c; ½ oz., \$1.00.

SCHIZANTHUS, continued

Dr. Badger's Improved Hybrids. A brightly colored large-flowered strain of medium height. Suitable either for pots or cutting. Tr. pkt., 35c; ¼ oz., \$1.15.

***Giant Blotched.** Brightly colored rose and pink shades, with contrasting dark centers. Somewhat earlier than most strains and a good pot plant if well pinched. Tr. pkt., 50c; ½ oz., \$1.25.

Monarch Strain. Extra large flowered and strong, robust growth. Attractive mixture of colors. Tr. pkt., 50c; ½ oz., \$1.25.

Ball Brilliant Blend. A carefully blended mixture of fairly tall growing varieties recommended for the grower who grows a limited number of plants and wants a complete mixture. Tr. pkt., 35c; ½ oz., 75c; ¼ oz., \$1.25.

***Ball Dwarf Mixture.** A distinctly dwarf growing strain with compact heads of medium sized flowers. At its best in a 3 or 4 in. pot. Tr. pkt., 50c; ½ oz., \$1.50; ¼ oz., \$2.50.

SHAMROCK—True Irish Shamrock. 38,000 S. Sow Jan. 1st in Carnation house temperature (cooler after germination) for 2-inch St. Patrick's Day plants; use 3 or 4 seedlings per pot. Tr. pkt., 20c; ¼ oz., 35c; 1 oz., \$1.20.

SNAPDRAGONS—See pages 12 and 13.

For **Snow-on-the-Mountain**, see Euphorbia, page 33.

SOLANUM—To insure an even, first class strain of this valuable pot plant we grow our own seed crop of these varieties at West Chicago where we can personally supervise selection and roguing. For well grown 4 in. specimens, sow seed in June, carry along indoors. Larger plants must be started earlier, of course.

***Christmas Pepper.** (Ball reselected strain). 9000 S. Compact plants with a profusion of cone-shaped fruit that is first green, later turning purple and then red. Selected for absolute evenness and large brilliantly colored fruit. Tr. pkt., 35c; ¼ oz., \$1.10.

***Christmas Cherry** (Hlavacek's Masterpiece—Ball Strain). 12,000 S. A uniform, bushy strain without the wild growth of the original Cherry varieties. Large round red fruit is very freely produced. Tr. pkts. only, 25c.

***Patterson Variety.** A compact strain of Christmas Cherry. Fruit medium sized and freely produced well above foliage. Well suited for the smaller-sized pot specimens.

Chameleon Pepper. Similar to Christmas Pepper, listed above but with medium sized heart shaped scarlet fruit. Very attractive.

Long Red Pepper. Compact plants with fairly long conical fruit of brilliant red. Fruit grows upright rather than suspended.

Prices on the above three varieties each: Tr. pkt., 25c; ¼ oz., 70c; 1 oz., \$2.25.

Love Apple. Produces brilliant, orange-red fruits 1½ in. across; popular recently on wholesale flower markets. An annual shrubby plant growing to 3 ft. with long thorny branches of fruit. Decorative and colorful. Tr. pkt., 50c; ½ oz., \$1.50.

STATICE—SINUATA. 350 seed heads per oz. A midwinter sowing brings this attractive class into flower in late spring. Flowers grown outdoors for drying extensively in southern climates.

***Market Grower's Blue.** Fine even deep blue. Excellent stock.

Kampf's Tall Improved. The standard long-stemmed blue.

***Lavender Queen.** A very pleasing shade of pastel lavender. Fine color and good grower.

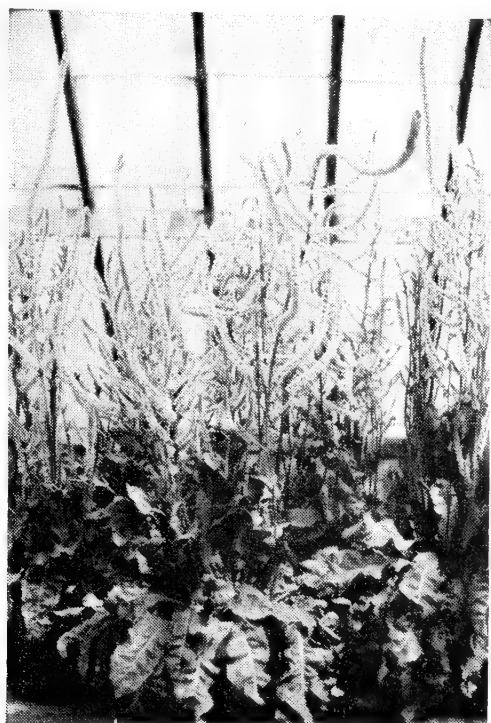
Rosea Superba. Rosy-lavender.

***Snow Witch.** A clear white selection from the old Sinuata White.

***New Hybrids Mixture.** A very attractive mixture of all the standard colors as well as many new hybrid shades.

MISCELLANEOUS ANNUALS—Continued

STATICE, continued



STATICE SUWOROWII

As grown in 6 in. pots. Valuable for this as well as cutting. Easily grown.

Bonduelli Superba. 350 seed heads per oz. Similar in type to Sinuatas but with large yellow flowers.

Prices on above seven varieties, each: Tr. pkt., 15c; 1 oz., 45c; 4 oz., \$1.60; 1 lb., \$4.80.

Suworowii. (Russian or Rat-Tail Statice). 12,000 S. A very useful Statice for greenhouse forcing. Seed sown in January will produce fine artistically curved rose pink "rat-tails" that work in splendidly with center-pieces, etc., in late spring. Not suited for drying. Tr. pkt., 15c; ¼ oz., 40c; 1 oz., \$1.35.

For **Perennial Statice**, see page 35.

For **Strawflower**, see *Acroclinium*, page 17 and *Helichrysum*, page 24.

STOCKS—See page 16.

STRAWBERRY—Harzland. (Runnerless). The fruit of this unusual Strawberry is of small to medium size, bright red and of rich flavor and aroma. Because it does not produce runners it is of value to florists as a Thanksgiving and Christmas pot plant. Seed will not germinate when soil is warm so should be sown outside in early spring and the plants carried through the summer in the open. If potted up at the approach of winter and brought inside they will, under proper conditions, bear fruit for several months. Growers who are looking for something new for their holiday trade should try some of this. Tr. pkt., 50c.

STREPTOCARPUS—Giant Flowered Mixture. (Cape Primrose). Our original stock of this greenhouse winter flowering pot plant was grown by a European specialist; we are convinced no better is obtainable. Tr. pkt., \$1.00; ¼ oz., \$2.75.

For **Sunflower**, see *Helianthus*, page 24.

SWEET PEAS—See pages 14 and 15.

THUNBERGIA—Alata. (Black-Eyed Susan). 1100 S. Very fine, used as an annual climber or for hanging baskets, making a dense growth and producing an abundance of flowers in shades of yellow, buff, and orange—with black centers. Tr. pkt., 15c; ¼ oz., 30c; 1 oz., \$1.00; 4 oz., \$3.50.

TITHONIA—Avalon Earliest. Extra early flowering with large blooms of brilliant reddish orange produced on long stems. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.60.

Speciosa, Fireball. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.60. For **Tobacco Plant**, see *Nicotiana*, page 26.

TORENIA—375,000 S. Rich combination of deep blue with violet blotches on lip. Nice spring pot or outdoor bedding plant.

Fournieri Grandiflora. Standard variety.

Fournieri Compacta. A distinctly compact form of above.

Prices on above two varieties each: Tr. pkt., 35c; ⅛ oz., \$1.15; ¼ oz., \$2.00.

VENIDIUM—Ball Hybrids. 65,000 S. An interesting array of colors ranging from silvery white through buff and orange shades. At its best indoors on a raised bed from a fall sowing. Tr. pkt., 50c; ¼ oz., \$1.25.

VERBENA—Most varieties come very true with few exceptions. The Compactas make excellent spring pot plants but are less well adapted for bedding where summers are trying. Under most conditions the Grandifloras make a wonderful display. Sow early with bottom heat.

GRANDIFLORA. 10,000 S. Large flowered and of flat spreading growth.

Beauty of Oxford Hybrids. Shades of extra deep bright pink with slight white eye. Very excellent large flowered strain with some color variation.

Blue. Deep marine shade with white eye. Prefer Royale.

***Crimson Glow.** Extra rich crimson.

***Dannebrog.** Bright scarlet with large white eye. Very attractive combination. Growth more compact than other Grandifloras.



Verbena Dannebrog is a rich scarlet with white center.

***Ellen Willmott.** Extra large flowered salmon-pink with white eye.

Etna. Scarlet with some white eye.

Floradale Beauty. Extra large flowered in salmon-pink shades.

***Lavender Glory.** Very fine large flowered fairly deep lavender. Throws about 25% white rogues.

Lucifer. Scarlet, Spectrum Red better.

Luminosa. Deep salmon shaded pink with white eye.

Mayflower. Medium light pink.

***Mounty.** A brilliant scarlet or cardinal red with small light eye. Color deeper than Spectrum Red and stronger in growth. A fine bright red Verbena.

***Pure White.** Very even strain.

Rosea Stellata. Clear deep pink with white eye. Quite free flowering and a strong grower.

***Royale.** Large flowered rich deep blue with contrasting white eye.

MISCELLANEOUS ANNUALS—Continued

VERBENA, continued

***Spectrum Red.** Very bright rich scarlet with no eye. Lighter and brighter color than Crimson Glow. Very even true strain.

Mixture of all colors in the Grandiflora class.

Prices on above varieties including the Mixture. Each: Tr. pkt., **35c**; ¼ oz., **75c**; 1 oz., **\$2.60**.

COMPACTA. 10,000 S. A compact erect growing type particularly adapted for border and pot work. Quite free flowering.

Mixture of all colors available in this compact class. 6 in.

Royal Bouquet. 10 to 12 in. A mixture of all colors in this upright type.

Prices on above two mixtures, each: Tr. pkt., **50c**; ¼ oz., **\$1.50**; 1 oz., **\$4.50**.

MISCELLANEOUS VARIETIES.

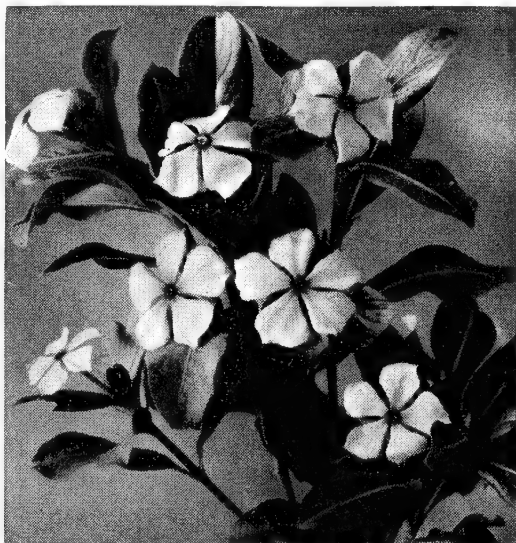
***Bipinnatifida.** 18 in. Very heavy, fast grower. Deeply serrated leaves account for its common name, Fern-leaved Verbena. Clusters of attractive lavender-blue flowers borne freely thruout season. Tr. pkt., **35c**; ¼ oz., **\$1.00**; 1 oz., **\$3.50**.

***Bonariensis.** 90,000 S. 36 in. A long-stemmed Verbena with lavender-blue flower clusters. Foliage stays near the ground making this new type well suited to cut flower work. Very decorative garden plant. Germination slow. Tr. pkt., **25c**; ¼ oz., **50c**; 1 oz., **\$1.75**.

Erinoides. (Moss Verbena). 30,000 S. Its extra strong growth makes a 3 to 4 ft. wide row 10 in. high. Small lavender flower heads quite freely produced. Tr. pkt., **25c**; ¼ oz., **50c**; 1 oz., **\$1.75**.

***Venosa.** 60,000 S. 8 to 10 in. A dwarf bedding Verbena that flowers continuously thruout our hot mid-Western summers. Deep lilac flowers produced quite freely. Tr. pkt., **25c**; ¼ oz., **45c**; 1 oz., **\$1.60**.

Vinca Rosea—one of the finest all purpose bedding plants.



VINCA—ROSEA. (Periwinkle). 21,000 S. 15 in. One of the most generally satisfactory outdoor bedding plants we have. Will stand an almost unbelievable amount of hot, dry weather. Sow early with bottom heat.

***Twinkles.** Soft blush pink with bright red eye.

***Crimson.** (Kermesina). Not available.

***Pink.** (Rosea). The standard medium pink.

Alba Pura. Pure white.

Alba Oculata. White with pink center.

Delicata. Light pastel pink shade.

Mixture of above colors.

Prices on above varieties and Mixture, each: Tr. pkt., **25c**; ¼ oz., **60c**; 1 oz., **\$1.75**.

For **Viola**, see page 35.

VIRGINIAN STOCK—Compacta Mixture. 60,000 S. 8 in. Nice compact bedding plant. Tr. pkt., **15c**; 1 oz., **65c**.

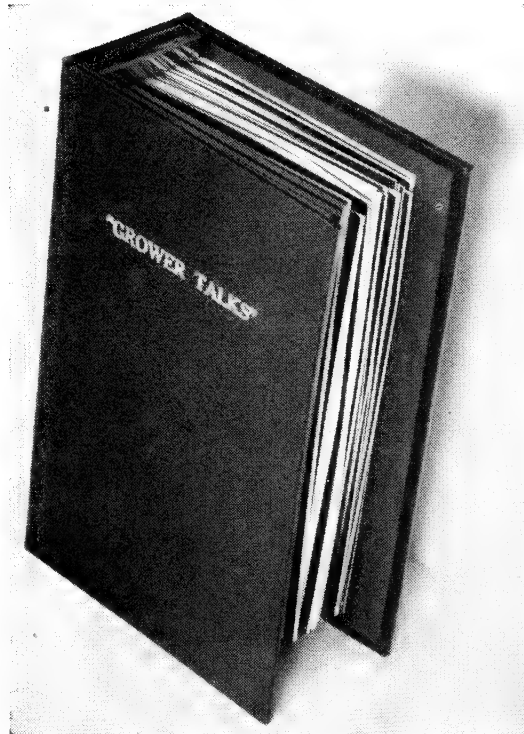
WALLFLOWER. (Annual). 14,000 S.—**Gold Standard.** Richly fragrant deep golden yellow. In our latitude should be sown in October for greenhouse flowering. Tr. pkt., **25c**; ¼ oz., **85c**. For **Perennial Wallflower**, see Cheiranthus, page 32.

ZINNIAS—See pages 8 and 9.

Unless the package of seed you buy carries this trade-mark:



**IT IS NOT
BALL SEEDS**



FOR YOUR CONVENIENCE

Haven't you often wished that you had all your GROWER TALKS copies conveniently bound together for easy reference? Here's your answer. This binder holds 24 issues in a metal frame with durable hard covers finished in imitation leather. Copies are easily inserted or removed. We will mail it postpaid for \$1.20.

PERENNIALS FOR FLORISTS

ALYSSUM—The two varieties following are perfectly hardy with us and make fine, free flowering rock garden or border plants.

***Saxatile Compactum.** 30,000 S. 12 in. Flowers early May. Rich golden yellow. Tr. pkt., **15c**; ¼ oz., **30c**; 1 oz., **\$1.00**.

Saxatile Silver Queen. (Sulphureum). 30,000 S. Same as above but a light lemon yellow. Tr. pkt., **25c**; ¼ oz., **65c**; 1 oz., **\$2.25**.

ANCHUSA—***Barrelieri.** 5500 S. 15 in. Very fine Forget-me-not blue rock garden plant. Flowers middle to end of May. Tr. pkt., **35c**; ¼ oz., **85c**; 1 oz., **\$3.00**.

Dropmore Strain. (Italica). 1100 S. 6 ft. Nice blue for cutting. Tr. pkt., **15c**; ¼ oz., **20c**; 1 oz., **60c**.

Myosotidiflora. 10,500 S. 12 in. May flowering forget-me-not blue. Seed should be placed in refrigerator for 72 hours before sowing. Tr. pkt., **50c**; ⅛ oz., **\$1.25**; ¼ oz., **\$2.25**; 1 oz., **\$8.00**.

ANTHEMIS—**Kelwayi** (Hardy Marguerite). 85,000 S. 3 ft. Yellow Daisy flowers produced thruout the summer. Tr. pkt., **15c**; 1 oz., **65c**.

AQUILEGIA—(Columbine). 15,500 S.—Though not well adapted for shipping, well grown Columbines are of definite cut flower value for retail growers. Not at all difficult to force either. Pot up from the field the first year plants storing in a cold house or frame until about Feb. 1. Start in a low temperature gradually increasing to around 50°.

Alpina. 2 ft. Blue. Tr. pkt., **25c**; ¼ oz., **65c**; 1 oz., **\$2.25**.

Coerulea (Rocky Mountain Columbine). Sky-blue with white corolla. Tr. pkt., **25c**; ¼ oz., **75c**; 1 oz., **\$2.50**.

***Crimson Star Hybrids.** About 60% dark red with white corolla. Other interesting bi-colors make up the balance of this strain. Tr. pkt., **50c**; ⅛ oz., **\$1.50**; ¼ oz., **\$2.75**.

***Longissima.** Delicate, pale yellow with extra long (4 in.) spurs. Richly fragrant. Tr. pkt., **50c**; ¼ oz., **\$2.50**; ⅛ oz., **\$4.50**.

Longissima Hybrids. A variety of attractive shades in this extra long spurred class. Tr. pkt., **50c**; ¼ oz., **\$2.00**.

***Mrs. Nicholls.** A large flowered, clear deep blue Columbine. Tr. pkt., **50c**; ⅛ oz., **\$1.25**; 1 oz., **\$8.00**.

***Mrs. Scott Elliotts Hybrids.** An excellent and popular long-spurred mixture. Tr. pkt., **35c**; ¼ oz., **\$1.00**; 1 oz., **\$3.50**.

Rose Queen. Rose with white corolla. Tr. pkts. only, **35c**.

***Snow Queen.** Extra large pure white flowers. An exceptionally true and uniform strain. Tr. pkt., **25c**; ¼ oz., **\$1.00**; 1 oz., **\$3.50**.

Mixture of all colors in this long-spurred class. Tr. pkt., **25c**; ¼ oz., **85c**; 1 oz., **\$3.00**.

ARABIS (Rock Cress)—***Alpina Snowcap.** 150,000 S. 6 in. Of a dwarf and compact habit. Shining snow-white. Tr. pkt., **35c**; ¼ oz., **75c**; 1 oz., **\$2.50**.

Alpina. 150,000 S. 12 in. White. Tr. pkt., **25c**; ¼ oz., **55c**; 1 oz., **\$1.80**.

ARMERIA—**Maritima** (Statice Armeria). 17,500 S. 12 in. Lilac rose. Grass-like, evergreen foliage. Tr. pkt., **50c**.

ASCLEPIAS—**Tuberosa.** 4500 S. Fine orange for cutting. Requires well drained location. Freezing over winter helps germination. Tr. pkt., **25c**; ¼ oz., **85c**; 1 oz., **\$2.75**.

AUBRIETIA—**Large Flowered Hybrids.** (Monarch strain). 150,000 S. 6 in. This strain shows a particularly wide and bright color mixture. Tr. pkt., **50c**; ⅛ oz., **\$1.00**.

For **Baby's Breath**, see Gypsophila, pages 24 and 33; also Euphorbia Corollata, page 33.

BAPTISIA—**Australis** (False Indigo). 1700 S. Sprays of pea-shaped indigo-blue flowers. 3 ft. Tr. pkt., **15c**; 1 oz., **75c**.

BELLIS—**Perennis.** This popular Double English Daisy is much used for spring and early summer bedding.

Red and Rose each: Tr. pkt., **50c**; ⅛ oz., **\$2.00**; ¼ oz., **\$3.50**.

White. Tr. pkts. only, **50c**.

Mixture. Tr. pkt., **50c**; ⅛ oz., **\$1.80**; ¼ oz., **\$3.20**.

BOLTONIA—**Latisquama.** 95,000 S. 4 to 5 ft. Delicate pink. Tr. pkt., **25c**; ¼ oz., **\$1.35**; 1 oz., **\$4.25**.

CAMPANULA—**CARPATICA.** 350,000 S. 12 in. Dwarf perennial.

Blue and Hybrid Mixture, a strain containing many new colors in this dwarf class. Prices on above variety and mixture each: Tr. pkt., **40c**; ¼ oz., **\$2.50**.

MEDIUM CALYCANTHEMA (Cup-and-saucer Type). 120,000 S. 3 ft. Biennial.

Dark Blue	Light Blue	Rose	White	Mixture
Prices on above varieties and Mixture, each: Tr. pkt., 20c ; ¼ oz., 50c ; 1 oz., \$1.60 .				

MEDIUM SINGLE (Canterbury Bells). 135,000 S. 3 ft. biennial.

Dark Blue	Light Blue	Pink	White	Mixture
Prices on the above varieties and Mixture, each: Tr. pkt., 15c ; ¼ oz., 25c ; 1 oz., 75c .				

PERSICIFOLIA. 340,000 S. 30 in. Perennial.

White	Blue	Mixture
Prices on the above varieties and Mixture, each: Tr. pkt., 35c ; ⅛ oz., \$1.00 ; ¼ oz., \$1.75 .		

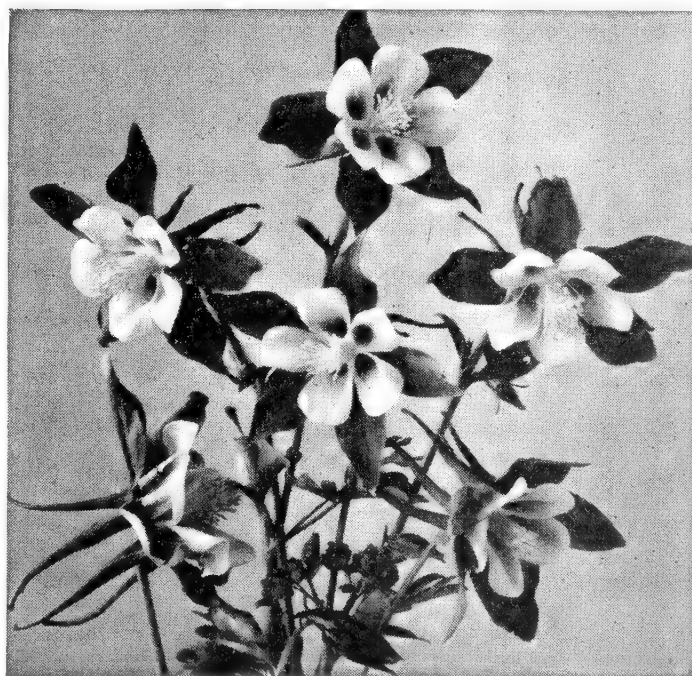
PYRAMIDALIS. (Chimney Campanula). 250,000 S. 5 ft. **Mixture.** Tr. pkt., **35c**; ⅛ oz., **\$1.00**; ¼ oz., **\$1.75**.

For **Perennial Candytuft** see Iberis page 33.

CARNATION—**GRENADIN** (Hardy Carnation). 14,000 S. 20 in. Good for cutting.

Golden Sun	*Pink	*Red	White	*Mixture
Prices on the above varieties and Mixture, each: Tr. pkt., 50c ; ¼ oz., \$2.50 ; 1 oz., \$8.00 .				

For other **Carnation** varieties see page 19.



Aquilegias make valuable cut flowers for retail growers. Easily forced in the greenhouse too.

MISCELLANEOUS PERENNIALS—Continued

CATANANCHE—Coerulea. 16,000 S. 30 in. Everlasting light lavender-blue, centaurea-like flowers produced freely first year from seed. Tr. pkt., **25c**; ¼ oz., **45c**; 1 oz., **\$1.50**.

CENTAUREA—Montana. 1600 S. 24 in. Large Cornflower-blue flowers. Tr. pkts. only, **50c**.
For Annual *Centaurea Cyanus*, see page 20.

CERASTIUM—*Tomentosum. 42,000 S. 10 to 12 in. White edging and rockery plant. Tr. pkt., **25c**; ¼ oz., **50c**; 1 oz., **\$1.75**.

CHEIRANTHUS (Wallflower)—***Golden Bedder.** 19,000 S. 18 in. Large deep golden yellow. Tr. pkt., **15c**; ¼ oz., **25c**; 1 oz., **75c**.

Allioni (Siberian Wallflower). 19,000 S. 18 in. Free flowering brilliant orange. Tr. pkt., **10c**; 1 oz., **35c**.
For Annual Wallflower, see page 30.

CHRYSANTHEMUM—*Glory Mixture. Our finest mixture of hardy Chrysanthemums with an exceedingly wide range of brilliant colors. Contains seeds of Korean and Arcticum Hybrids as well as Azaleamums, Indicums and Morifoliums. Tr. pkt., **75c**; ½ oz., **\$2.00**; ¼ oz., **\$4.00**.

Korean Hybrids. 60,000 S. Single and semi-double types in a good color range. Many of these bloom rather late for localities with early frost dates. Tr. pkt., **\$1.00**; ½ oz., **\$2.75**; ¼ oz., **\$5.00**.

COREOPSIS—*Sunburst (New Gold). 11,000 S. A fine semi-double strain. Tr. pkt., **20c**; ¼ oz., **30c**; 1 oz., **\$1.00**.

Mayfield Giant. 11,000 S. Extra large deep golden yellow. Single. Tr. pkt., **15c**; ¼ oz., **25c**; 1 oz., **75c**.

DAISY (*Chrysanthemum Leucanthemum*)—***G. Marconi.** The largest flowered and finest double Shasta Daisy strain. Long-stemmed. Originator's seed. Tr. pkt., **50c**; 6 Tr. pkts., **\$2.50**. Regular stock. Tr. pkt., **50c**; ½ oz., **\$1.50**; ¼ oz., **\$2.75**.

Double Fringed (Diener's). 18,000 S. A specially reselected strain producing about 50% good double types that should be propagated by division. Tr. pkt., **50c**; ¼ oz., **\$1.25**; ½ oz., **\$4.00**.

June Marguerite. 40,000 S. Tr. pkts. only, **25c**.

***Mayfield Giant.** 21,000 S. Quite large flowered, end of June.

Alaska. 21,000 S. The standard Shasta Daisy, July.

Conqueror. 21,000 S. Giant late white, late July.

Prices on above three varieties each: Tr. pkt., **15c**; ¼ oz., **30c**; 1 oz., **\$1.00**.

DELPHINIUM (10,000 S.)—An early spring sowing of either the Giant Pacific Hybrids or the regular cut flower kinds such as Belladonna Improved will produce fine large clumps by next fall for greenhouse forcing or sale.

GIANT PACIFIC HYBRIDS

Blue Bird Series. The clearest of medium blues with white bee. 2½ in. flowers.

Galahad Series. The finest clear white Delphinium we list. Huge, double flowers borne on long, closely set spikes.

Black Knight Series. Deep mid-night violet. The darkest of them all.

Blue Jay Series. A brilliant true medium blue with dark bee.

Cameliard Series. A pure lavender self with white bee. Very attractive.

Round Table Series. Hybrid or "Trial ground mixture," containing many new and interesting color types not yet introduced.

Guinevere Series. Fine light, pinkish-lavender with white bee.

King Arthur Series. Royal violet with white bee. Exceptional flower size.

Summer Skies Series. Light blue with an attractively contrasting white bee.

PRICES on Above Varieties, Each: Tr. pkt., **\$1.25**; ½ oz., **\$2.50**; ¼ oz., **\$4.00**; 1 oz., **\$14.00**.



5 months from seed! Showing possibilities in the Giant Pacific Hybrid strains.

DELPHINIUM, continued

Clear White. A very fine clear white, large double flowered hybrid Delphinium.

Blue Shades. One of our most popular strains. Mixture of light, medium and dark blue strains.

Lavender Pastel Shades. Mostly two-tone lavender combinations with brown or black bees.

Violet Shades. Deep, rich violet-blue colors with many contrasting white bees.

Mixture. A complete mixture of all colors in this fine hybrid type. Our finest Hybrid Delphinium strain.

PRICES on Above Four Varieties and Mixture, Each: Tr. pkt., **\$1.00**; ½ oz., **\$2.00**; ¼ oz., **\$3.50**; 1 oz., **\$12.00**.

OTHER VARIETIES

Belladonna Improved. A carefully reselected strain of this standard light blue. Tr. pkt., **35c**; ¼ oz., **75c**; 1 oz., **\$2.85**; 4 oz., **\$10.00**; 1 lb., **\$35.00**.

Lamartine. Deep, bright marine blue with white eye. Outstanding for color and cut flower habit. Tr. pkt., **50c**; ¼ oz., **\$1.35**; 1 oz., **\$4.75**.

Bellamosum Improved. A reselected strain of this standard deep blue. Tr. pkt., **35c**; ¼ oz., **75c**; 1 oz., **\$2.85**; 4 oz., **\$10.00**; 1 lb., **\$35.00**.

Belladonna. The original or regular strain. Tr. pkt., **30c**; ¼ oz., **70c**; 1 oz., **\$2.20**.

Blackmore and Langdon Hybrids. Shades of blue with contrasting bees. A fine, free-flowering, hybrid strain. Tr. pkt., **50c**; ¼ oz., **90c**; 1 oz., **\$3.00**; 4 oz., **\$9.00**.

Wrexham or Hollyhock Strain. Extra large, tapering spikes. Long blooming period. Tr. pkt., **50c**; ¼ oz., **\$1.60**; 1 oz., **\$5.50**.

Gold Medal Hybrids. Tr. pkt., **25c**; ¼ oz., **50c**; 1 oz., **\$1.75**.

DIANTHUS (28,000 S.)—**Allwoodi Alpinus Mixed.** (8 to 10 in.) 1½ in. single flowers in shades of pink. Early June. Tr. pkt., **35c**; ½ oz., **90c**.

Deltoides Erecta. 6 in. June flowering. A dwarf Maiden Pink. Bright red. Tr. pkt., **35c**; ½ oz., **90c**; ¼ oz., **\$1.50**.

***Latifolius Atrococcineus.** 12 to 15 in. Miniature Rose-like flowers. Bright crimson. Tr. pkts. only, **25c**.

Plumarius, Single Mixture (Clove Pink). 20 in. Free flowering, and sweet scented. Tr. pkt., **15c**; ¼ oz., **40c**; 1 oz., **\$1.35**.

MISCELLANEOUS PERENNIALS—Continued

DIANTHUS, continued

BARBATUS (Sweet William). 24 in. Early June flowering. Perfectly hardy, flowering second season from seed.

***Holborn Glory**. Striking combination of crimson with white.

***Newport Pink** (Pink Beauty). A particularly rich pastel salmon rose shade. Very attractive.

Scarlet Beauty. Well named, intense scarlet red.

Giant White. Ours is an extra large flowered strain.

Single Mixture.

***Double Mixture**.

Prices on above varieties and Mixtures, each: Tr. pkt., 30c; ¼ oz., 75c; 1 oz., \$2.40.

***Single Midget Mixed**. Very fine neat alpine and rock plant. 6 to 8 in. with dense heads of single Sweet William flowers. Tr. pkt., 50c; ¼ oz., \$1.50; 1 oz., \$5.00.

For other **Dianthus**, see page 23.

DICTAMNUS—Fraxinella (Gas Plant). 1700 S. 30 in. Pink with dark veins. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.75.

DIELYTRA (Dicentra)—**Spectabilis** (Bleeding Heart). 1600 S. 32 in. Tr. pkt., \$1.00; ⅛ oz., \$4.00; ¼ oz., \$7.50.

DIGITALIS—GLOXINOIDES (Foxglove). 180,000 S. 4 ft.

Purple, Rose, and Giant Shirley Mixture.

Each: Tr. pkt., 20c; ¼ oz., 60c; 1 oz., \$2.00.

ECHINOPS—Ritro (Ornamental Thistle). Blue flower heads 1½ to 2" in diameter. Tr. pkt., 25c; ¼ oz., 75c.

EREMURUS—Species Mixed. Tall stately spikes in shades of pink and white. Takes 4 or 5 years to flower from seed that should be frozen before germination. Tr. pkt., 50c; ¼ oz., \$2.00; 1 oz., \$7.00.

ERYNGIUM—Amethystinum. 19,000 S. 3 ft. Large amethyst-blue thistle-like flowers. Tr. pkt., 25c; ¼ oz., 65c; 1 oz., \$2.25.

EUPHORBIA—Corollata (Wild Baby's Breath). 8700 S. 24 in. Small Gypsophila-like white flowers. Tr. pkt., 35c; ¼ oz., \$1.25; 1 oz., \$4.25.

Polychroma. 15-20 in. Very compact plant producing brilliant yellow bracts of leaves. Tr. pkt., 50c; ⅙ oz., \$1.35.

Myrsinites. Attractive succulent-like silvery green foliage. Each branch produces a brilliant yellow bract of leaves in May. 6-8 in. tall. Tr. pkt., 35c; ⅛ oz., \$1.25.

For **Feverfew**, see **Matricaria**, page 34.

For **Foxglove**, see **Digitalis**, this page.

GAILLARDIA—GRANDIFLORA. 9500 S. The following strains, except **Goblin**, are excellent cut flower sorts.

***Dazzler**. The standard fine cutting strain. Golden yellow with maroon center.

***Monarch Strain**. A very superior mixture of large, full petaled flowers with an unusually bright color range. Prices on the above two varieties, each: Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.75.

***Burgundy**. Deep shade of wine red. Tr. pkt., 25c; ¼ oz., 75c; 1 oz., \$2.25.

Maxima Aurea. Yellow. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.75.

Portola Hybrids Mixed. Standard hybrid mixture. Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.75.

Goblin. Forms very attractive compact plants with red and yellow bicolored flowers. Tr. pkt., 25c; ¼ oz., 65c; 1 oz., \$2.25.

For **Annual Gaillardia**, see page 23.

For **Gas Plants**, see **Dictamnus**, this page.

GEUM (7000 S.)—**Lady Stratheden**. 24 in. Double golden yellow.

Mrs. Bradshaw. 24 in. Double glowing red.

Prices on the above two varieties, each: Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$1.75.

GYPSOPHILA—34,000 S. Valuable for outdoor summer cutting and easily and economically grown.

***Pacifica**. 42 in. Starry pink flowers in Sept. and Oct. Tr. pkt., 25c; ¼ oz., 80c; 1 oz., \$2.75.

***Oldhamiana**. 30 in. Feathery light pink flowers with silvery foliage. Blooms first year from an early sowing. Oct. flowering—watch frost dates. Tr. pkt., 25c; ¼ oz., 65c; 1 oz., \$2.25.

PANICULATA. The regular white hardy Gyp. Note that double grafted varieties like **Bristol Fairy** are not available from seed.

***Double Snow Flake**. 40 in. An improved double hardy Gyp. About 50% are double flowering plants. Tr. pkt., 35c; ¼ oz., \$1.35; 1 oz., \$4.50.

Single White. Tr. pkt., 15c; 1 oz., 40c.

REPENS. 6 in. An attractive, hardy rock garden plant.

Rose **White**

Prices on the above two varieties, each: Tr. pkt., 25c; ¼ oz., 50c; 1 oz., \$2.00.

For **Annual Gyp.**, see page 24.

HELIANTHEMUM—Mutabile (Rock Rose). 15,000 S. 8 to 10 in. Very attractive dwarf evergreen rock plant. Tr. pkt., 20c; ¼ oz., 40c; 1 oz., \$1.35.

HEUCHERA—Sanguinea Splendens (Coral Bells). 750,000 S. 24 in. Crimson. Tr. pkt., 50c; ⅙ oz., \$1.75; ⅛ oz., \$3.00.

HOLLYHOCK—Imperator. 2700 S. Choice double fringed mixture. Tr. pkt., 30c; ¼ oz., 55c; 1 oz., \$1.80.

Allegheny Mixed. 2700 S. Single and semi-double types. Tr. pkt., 15c; ¼ oz., 25c; 1 oz., 75c.

CHATER'S DOUBLE. 3100 S. The standard double Hollyhock.

Chamois, Deep Rose, Lilac Beauty, Newport Pink, Scarlet, Sulphur Yellow, White and Mixture

Prices on all above Chater's varieties and Mixture, each: Tr. pkt., 30c; ¼ oz., 50c; 1 oz., \$1.50.

IBERIS (11,500 S.)—**Gibraltarica**. 12 in. Large flowered lilac. Tr. pkt., 20c; ¼ oz., 45c; 1 oz., \$1.40.

Sempervirens. 12 in. White flowers in late May. Seedlings flower second season. Tr. pkt., 50c; ¼ oz., \$1.25; 1 oz., \$4.50.

LATHYRUS—LATIFOLIUS (Hardy or Everlasting Sweet Pea). 550 S. Abundant source of short-stemmed flowers.

Pink Beauty **White Pearl** **Red** **Mixture**
Each: Tr. pkt., 20c; ¼ oz., 30c; 1 oz., \$1.00.

LAVANDULA (32,000 S.)—***Munstead Strain**. 12 in. Freely produces large sweet scented flowers a month earlier than the common Lavender. An improved **Vera**. Tr. pkt., 35c; ¼ oz., \$1.00; 1 oz., \$3.50.

LIATRIS (Blazing Star)—9500 S. Excellent cut flowers, long decorative, bold spikes.

Elegans. Large starry blooms of pure lavender with snow-white center. Tr. pkt., 30c; ¼ oz., \$1.00; 1 oz., \$3.00.

***Pycnostachya**. Extra long-stemmed—3 to 5 ft. with long 15 to 18 in. flower spikes of rosy purple. Finest cut flower kind. Tr. pkt., 30c; ¼ oz., 90c; 1 oz., \$3.00.

Scariosa. Rosy purple. Extra large individual flower heads on long, loosely set spikes. Tr. pkt., 35c; ¼ oz., 90c; 1 oz., \$3.20.

***Scariosa White**. A very fine pure white. Long loosely set flower spikes. Tr. pkt., 35c; ¼ oz., 90c; 1 oz., \$3.20.

Spicata. Not quite so long-stemmed or with as long flower spikes as **Pycnostachya**; purple. Prefers a damp low location. Tr. pkt., 25c; ¼ oz., 65c; 1 oz., \$2.25.

LILIES FROM SEED—***White Queen**. 8200 S. This strain produces flowers fully equal to the finest **Erabu's** or **Gigs**. in 17 months from seed. The largest and finest seed propagated Lily we know of. ½ Tr. pkt., 60c; Tr. pkt., \$1.00; 5 Tr. pkts., \$4.50.

MISCELLANEOUS PERENNIALS—Continued



A bed of our new White Queen Lily from seed in full flower.

LILIES, continued

Philippinense Formosanum, Giant Flowered. 8200 S. An improved form of the original stock of Philippine Lily. Tr. pkt., 35c; ¼ oz., 85c; 1 oz., \$3.00; 4 ozs., \$10.00.

Regale (Regal Lily). 6500 S. Pink with primrose center. Tr. pkt., 20c; ¼ oz., 40c; 1 oz., \$1.20; 4 ozs., \$4.00.

LINUM—Perenne (Perennial Flax). 8500 S. Blue. Tr. pkt., 15c; 1 oz., 50c.

LOBELIA—Cardinalis (Fulgens) 725,000 S. (Cardinal Flower). 36 in. Tr. pkt., 25c; ¼ oz., 75c; 1 oz., \$2.75.

Syphilitica. 1,750,000 S. 2 to 3 ft. Attractive blue spikes. Tr. pkt., 25c; ¼ oz., 60c; 1 oz., \$1.00.

LUNARIA—BIENNIS (Honesty or Money Plant). 1500 S.

White Mixture

Each: Tr. pkt., 25c; ¼ oz., 35c; 1 oz., \$1.25.

LUPINUS—POLYPHYLLUS (Hardy Lupine). Fine cutting material. Requires a well drained location and thrives best in cool climate.

***Russell Strain.** 1000 S. Unusually long closely set flower spikes and the widest range of attractive colors found in Hardy lupines.

Resected Stock (Originator's packets) 20 seeds, 30c; 65 seeds, 65c; 150 seeds, \$1.25; 350 seeds, \$2.50.

Grown from Originator's Stock. Tr. pkt., 35c; ¼ oz., 60c; 1 oz., \$2.00; 4 ozs., \$6.00.

MISCELLANEOUS POLYPHYLLUS VARIETIES. 1450 S.

Dark Blue. Tr. pkt., 15c; ¼ oz., 35c; 1 oz., \$1.15.

Rose. Tr. pkt., 35c; ¼ oz., 90c.

White. Tr. pkt., 20c; ¼ oz., 30c; 1 oz., \$1.00.

LUPINUS, continued

***Harkness Regal Mixture.** The standard fine hybrid mixture. Tr. pkt., 20c; ¼ oz., 30c; 1 oz., \$1.00.

For Annual Lupine, see page 25.

LYCHNIS (64,000 S.)—*Chalcedonica, 36 in. Scarlet. Tr. pkt., 25c; ¼ oz., 40c; 1 oz., \$1.25.

MATRICARIA Capensis (Feverfew) (145,000 S.)

***Ball Double White.** Sowings of this popular strain of Feverfew made through January will produce a welcome cut during July and early August. Tr. pkt., 35c; ¼ oz., \$1.00; 1 oz., \$1.75.

Double Golden Ball. 10 in. Dwarf, semi-double yellow. Tr. pkt., 25c; ¼ oz., 65c; 1 oz., \$2.25.

MYOSOTIS (Forget-me-not) (42,000 S.)—***Blue Bird (Ob-longata).** 12 in. Standard blue for Spring greenhouse flowering. Tr. pkt., 35c; ¼ oz., 85c; 1 oz., \$3.00.

ALPESTRIS. Biennial.

***Royal Blue (Indigo Blue).** 12 in. Deep rich blue.

Tr. pkt., 30c; ¼ oz., 85c; 1 oz., \$3.00.

For Myosotis Ball Early, see page 25.

For Painted Daisy, see Pyrethrum, see page 35.

NEPETA—Mussini. (June-flowering Catnip.) 52,000 S. 12 in. Neat bushes with lavender-blue flowers. Tr. pkt., 25c; ¼ oz., 75c.

PHYSALIS (18,000 S.)—Francheti (Chinese Lantern Plant). Large orange scarlet pods; useful for winter decorations. Tr. pkt., 25c; ¼ oz., 75c; 1 oz., \$2.50.

***Francheti Gigantea.** Same as above but pods twice as large. Tr. pkt., 35c; ¼ oz., 90c; 1 oz., \$1.50; 1 oz., \$5.00.

PHYSOSTEGIA—Virginica. 16,000 S. 4 ft. Rosy Lilac. Tr. pkt., 50c; ¼ oz., \$1.50; 1 oz., \$5.00.

For Pinks, see Dianthus, pages 32 and 23.

PLATYCODON—GRANDIFLORUM (Tufted Harebell or Bal-loon Flower) 28,000 S. 24 in. Very attractive for spring sales.

***New Giant Early.** (Praecox Gigantea) Earlier and larger flowered than the following. Violet blue.

Blue. A clear deep violet blue.

Mixture. A mixture of mostly blue shades with some white. Prices on above two varieties and mixture, each: Tr. pkt., 25c; ¼ oz., 65c; 1 oz., \$2.25.

POPPY—ORIENTALE (Oriental poppy). 140,000 S. Large cup-shaped flowers with crinkled petals.

Beauty of Livermere. Dark oxblood-red. Tr. pkt., 30c; ¼ oz., \$1.25; 1 oz., \$4.00.

Brilliant. 40 in. Vivid, fiery red. Tr. pkt., 35c; ¼ oz., 90c; 1 oz., \$1.50.

Princess Victoria Louise. The standard light orange salmon. Tr. pkt., 30c; ¼ oz., \$1.00; 1 oz., \$3.50.

Salmon Shades. Huge blossoms in unusual new salmon shades. Tr. pkt., 35c; ¼ oz., \$1.00; 1 oz., \$1.75.

Mixture. Of all colors. Tr. pkt., 35c; ¼ oz., \$1.25; 1 oz., \$4.00.

For other Poppy varieties, see page 27.

PRIMULA—VERIS. 33,000 S. A very useful class for spring pot work. Plants lifted from outdoors in fall will make specimen pot plants from February on.

***Giant Munstead Strain.** The standard strain for bedding; in shades of yellow. Tr. pkt., 75c; ¼ oz., \$2.00; 1 oz., \$3.75; 1 oz., \$14.00.

***Polyanthus Mixture.** 12 in. Tr. pkt., 75c; ¼ oz., \$1.75; 1 oz., \$3.25; 1 oz., \$12.00.

MISCELLANEOUS PERENNIALS—Continued

PRIMULA, continued

Giant Monarch Strain. A fine large flowered mixture. Tr. pkt., 75c; 1/8 oz., \$2.00; 1/4 oz., \$3.75; 1 oz., \$14.00.

Giant Crimson. **Giant Yellow.** **Giant White.**
Prices on the above three varieties, each: Tr. pkt., 75c; 1/16 oz., \$1.75; 1/8 oz., \$3.00.

Vulgaris. (True Yellow English Primrose). 19,000 S. 6 in. Tr. pkt., 50c; 1/4 oz., \$1.65; 1 oz., \$6.00.

For other **Primula** varieties, see page 27.

PYRETHRUM—ROSEUM (Painted Daisy). 18,000 S. The standard hardy cut flower class. All of the following varieties will make an excellent showing with a minimum of care.

***Robinson's Hybrids.** Large single mixture. Tr. pkt., 50c; 1/4 oz., \$1.75; 1 oz., \$6.00.

***James Kelway.** Fine dark red cut flower variety. Tr. pkt., 50c; 1/8 oz., \$1.25; 1/4 oz., \$2.25; 1 oz., \$8.00.

***Semi-Double Mixture.** An excellent strain. Tr. pkt., 50c; 1/4 oz., \$1.75; 1 oz., \$6.00.

Single Mixed. An attractive mixture of colors in the large-flowered single type. Tr. pkt., 50c; 1/4 oz., \$1.75; 1 oz., \$5.50.

RUDBECKIA—Purpurea (Echinacea). 7000 S. 4 ft. Reddish purple. Tr. pkt., 25c; 1/4 oz., 65c; 1 oz., \$2.25.

SAPONARIA—Ocymoides. 5500 S. 12 in. Trailing rose; hardy rock plant. Tr. pkt., 25c; 1/4 oz., 70c; 1 oz., \$2.10.

SCABIOSA—2400 S. Excellent large flowered perennial cut flower material. Seed germination sometimes slow.

Columbaria Lavender. Delicate color.

Columbaria Pink. Orchid-pink shade.

The above are not hardy in northern states.

Caucasica Perfecta. Improved large flowered form of this lilac lavender strain.

Prices on the above three varieties, each: Tr. pkt., 30c; 1/4 oz., 75c; 1 oz., \$2.50.

***Caucasica, House Hybrids.** Large flowers ranging from white to deep blue. Tr. pkt., 35c; 1/4 oz., \$1.00; 1 oz., \$3.50.

Fischeri. 30 in. rounded bushy plants. Flowers a bright lilac-lavender color. Tr. pkt., 35c; 1/4 oz., 65c.

STATICE—Perennial Statice are very hardy, make good cut flower material and some as noted can be dried and dyed.

Caspia. 175,000 S. 30 in. Seedlings flower second season. Lilac. Tr. pkt., 25c; 1/4 oz., 75c; 1 oz., \$2.50.

***Dumosa.** 19,000 S. 18 in. Dense clumps of silvery gray flowers. Tr. pkt., 25c; 1/4 oz., 75c; 1 oz., \$2.50.

***Latifolia** (Sea Lavender). 40,000 S. 30 in. Standard blue perennial Statice. Very hardy and may be dried. Tr. pkt., 25c; 1/4 oz., 60c; 1 oz., \$1.85.

Perezi. 14,000 S. Flowers in large lavender heads first year from seed. Tr. pkt., 25c; 1/4 oz., 60c; 1 oz., \$1.85.

For **Annual Statice**, see page 28.

STOKESIA—Cyanea. 3300 S. 16 in. Large blue flowers. Tr. pkt., 25c; 1/4 oz., 60c; 1 oz., \$1.90.

THALICTRUM—Dipterocarpum. 12,000 S. 3 to 4 ft. Rosy purple clusters for cutting in early June. Blooms second season. Tr. pkt., 25c; 1/4 oz., 75c.

TRITOMA (22,000 S.)—***Pfizers Hybrids.** Large brilliant red.

Mirabilis Hybrids. Yellow and orange shades.

Prices on the above Mixtures, each: Tr. pkt., 25c; 1/4 oz., 60c; 1 oz., \$2.00.

TROLLIUS—LEDEBOURI (Globe Flower). 8000 S.

Golden Queen. 3 to 4 ft. Large golden orange. Good cut flower. Tr. pkt., 50c; 1/16 oz., \$1.25; 1/8 oz., \$2.00.



New Viola, Blue Elf.

TROLLIUS, continued

Orange. 2 ft. Late flowering. Tr. pkt., 50c; 1/8 oz., \$1.25; 1/4 oz., \$2.00.

TUNICA—Saxifraga. 150,000 S. 8 to 10 in. Small rosy lilac flowers. Tr. pkt., 25c; 1/2 oz., \$1.25; 1 oz., \$2.00.

VIOLA—CORNUTA. Miniature Pansies. Extra free-flowering and effectively used for bedding. Perfectly hardy.

Apricot. Apricot shade. Chantreyland better. Tr. pkt., 50c; 1/4 oz., \$1.50; 1 oz., \$5.00.

Arkwright Ruby. Maroon-scarlet with dark center. Bright color. Tr. pkt., 50c; 1/8 oz., \$1.50; 1/4 oz., \$2.65; 1 oz., \$8.00.

Black Imp. Small, velvety, coal-black flowers. Your customers will "go for" this. Tr. pkt., 50c; 1/4 oz., \$1.50; 1 oz., \$5.00.

Blue Elf (Improved Johnny Jump Up). Three-colored blooms of deep violet, light blue and gold are freely produced on low-growing plants. The 3/4 inch blossoms improve the original Johnny Jump Up. Tr. pkt., 50c; 1/8 oz., \$1.25; 1/4 oz., \$2.25.

***Blue Perfection.** Large flowered clear medium blue. Tr. pkt., 35c; 1/4 oz., \$1.25; 1 oz., \$4.00.

***Chantreyland.** Extra large flowered true apricot. Tr. pkt., 50c; 1/4 oz., \$1.85; 1 oz., \$6.00.

Firmament. Free blooming, with attractive round-faced flowers of clear Sky Blue. Tr. pkt., 50c; 1/4 oz., \$1.50.

Jersey Gem. (True Stock). Attractive large deep Cattleya. Tr. pkt., 50c; 1/8 oz., \$2.00; 1/4 oz., \$3.50.

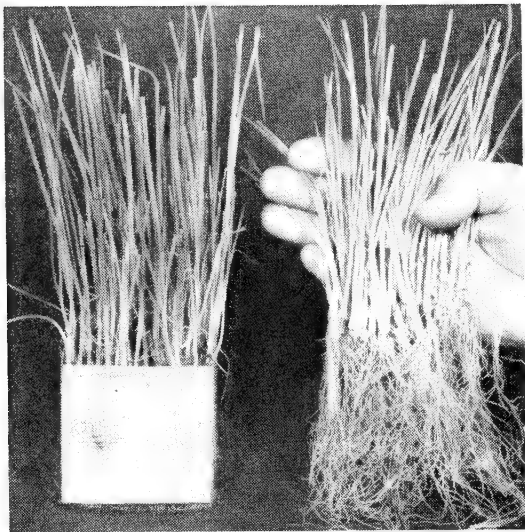
***Lutea Splendens.** Clear golden yellow. Tr. pkt., 50c; 1/4 oz., \$1.50; 1 oz., \$5.00.

Papilio. Blue and white combinations. Extra dwarf and free-flowering. Tr. pkt., 35c; 1/4 oz., \$1.25; 1 oz., \$4.00.

***White Perfection.** Small pure white. Tr. pkt., 35c; 1/4 oz., \$1.25; 1 oz., \$4.00.

Large-Flowered Mixture. Complete mixture of all large flowered varieties. Tr. pkt., 35c; 1/4 oz., \$1.25; 1 oz., \$4.00.

Vegetable Seeds for Florists



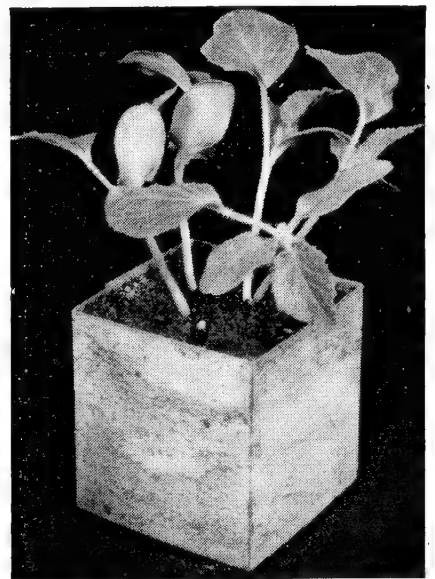
Band-grown Onion plants mean satisfied customers and better profits. Sow January to March. Fill flatted 3x3 in. bands with soil and broadcast seeds evenly over surface, covering at least $\frac{1}{2}$ in. Top plants to 2 in. when 5-6 in. high and grow cool, 45 to 50°. Sell plants in bands or wash off soil. $\frac{1}{2}$ oz. of seed will make about 50 bands of 50 plants each.

All vegetable seed we sell is selected and bred for the professional grower's use. Through trials and personal contact with the country's most dependable vegetable seed growers, we are in a position to supply those strains that meet the exacting requirements of the florist and vegetable plantsman.

In the following list are included many varieties especially adapted for greenhouse forcing as well as improved varieties of exceptional merit for plant sales to home gardeners. We are as sure as we can be that there are no finer strains available.

LARGE QUANTITIES. If you are in the market for large quantities of vegetable seed, we will gladly quote special prices.

WE PAY POSTAGE. Your attention is called to the free transportation on all vegetable seeds bought from this catalog.



Banded Melon and Cucumber plants have proven immensely popular with home gardeners and have added to the florist's list of profitable plant sale items. Sow 4 or 5 seeds in each plant band 6 weeks before last killing frost.

*FOR FORCING

The star (*) indicates those varieties particularly well suited for greenhouse forcing.

BEANS (for forcing)

Prince Forcing. Green bush-bean suitable for growing under glass during spring months. 65-90 days. 1 lb., **50c**; 10 lbs., **\$4.00**.

Kentucky Wonder. Used to some extent in greenhouses where climbing space is available. Spring crop. 1 lb., **40c**; 10 lbs., **\$3.50**.

1 oz. 4 ozs. 1 lb.

BEETS (1 oz. for 60-foot row)



Sow when the ground can be worked and make successive sowings until July. Space rows 18 inches. Broadcast seeds in Ball Bands for plant sale.

Crosby's Egyptian. (Original Strain) **\$0.25 \$0.75 \$2.20**

Detroit Dark Red. (Impr. Strain.) **.25 .75 2.20**

***Early Wonder Tall Top.** Valuable for BEET GREENS as well as globular roots. **.25 .75 2.20**

***Extra Early Flat Egyptian.** Earliest and best for forcing or home garden. **.25 .75 2.20**

BROCCOLI (About 7000 seeds per oz.)



Sow in March. Space plants 36x24".

Green Sprouting Early. Valuable all-season "cut and come again" strain for home garden or market. **.40 1.30 3.90**

BRUSSELS SPROUTS (About 7000 seeds per oz.)



Sow in March. Space 36x18".

Long Island Impr. 90 days. Stem closely set with $1\frac{1}{2}$ in. round cabbage-like heads. 20" tall, good keeper. **.70 2.30 6.90**



FOR PLANT SALES

The banded plant cut indicates all vegetables that can be handled to advantage in Plant Bands.

1 oz. 4 ozs. 1 lb.

CABBAGE (About 7000 seeds per oz.)



Sow in Feb.-March for the first crop and in June for a fall crop. Space earlies 24x18", late 36x20". Days indicated are from the date the plants are set out. Handling cabbage plants in bands will prevent premature heading.

YELLOWS RESISTANT VARIETIES

In order of maturity.

Jersey Queen. 63 days. The resistant Jersey Wakefield. Heads are solid, conical. **\$0.60 \$2.00 \$6.00**

Marion Market. Heads a little later and larger than Copenhagen Market. **.65 2.10 6.40**

Globe. Resistant "Glory". **.65 2.10 6.40**

Wisconsin All-Season. Good winter keeper; large flat hard heads. **.55 1.80 5.60**

Wisconsin No. 8. Resistant Hollander. **.70 2.30 6.90**

OTHER STANDARD VARIETIES

In order of maturity.

Early Jersey Wakefield. Pointed heads. Plants small, allowing close planting. **.50 1.60 4.80**

Golden Acre. Round head, short stem, 64 days. Uniform, firm, matures evenly. **.60 2.00 6.00**

Copenhagen Market. A very choice strain. Medium-sized heads; compact. **.60 2.00 6.00**

Charleston. ("Large Wakefield.") Heart shaped, average weight 4-5 lbs. **.50 1.70 5.00**

Early Dwarf Flat Dutch. Heads nearly round, firm, fine flavor and high quality. **.50 1.70 5.00**

Early Winningstadt. 77 Days. Hardy, dependable, heart-shaped. Average wt., 5 lbs. **.50 1.70 5.00**

Vegetable Seeds for Florists (Continued)

1 oz. 4 ozs. 1 lb.

CABBAGE, continued

Glory. (Glory of Enkhuizen.) Valuable for kraut. Average 6-8 lbs.	\$0.50	\$1.70	\$5.00
All Head Early. Good winter keeper. Deep heads, flat, firm, valuable for kraut, 77 days.	.50	1.70	5.00
All Season. Best in hot, dry weather.	.50	1.70	5.00
Hollander. Ferrys strain.	.70	2.30	6.90
Late Flat Dutch. Good keeper, firm heads.	.50	1.70	5.00
Danish Ballhead. Penn State Strain (Short Stem). Best late variety, heads large, flat, solid; keeps until late spring. 105 days	.65	2.10	6.40

SAVOY and RED CABBAGE

Chieftain. 85 days. Heads medium large; flat and firm. Crimped leaves.	.60	2.00	6.00
Mammoth Rock Red. Best red variety.	.70	2.30	7.00

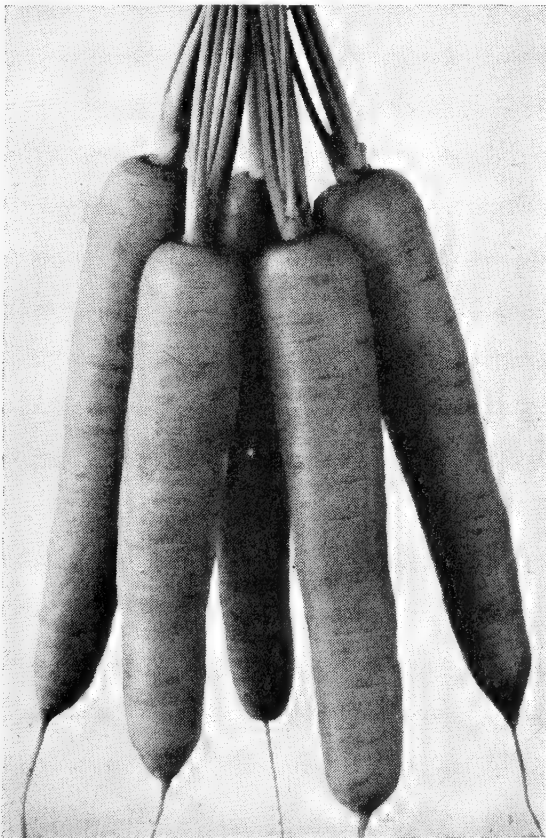
CHINESE CABBAGE

Chihili. 70 days. 20 in. tall. Sure heading when sown late July, maturing in Oct. Excellent for salads or cooking.	.20	.70	2.00
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CARROT (1 oz. for 300-ft. row)

Sow as early as the ground can be worked and make successive plantings until Aug. 1st. Space rows 12 to 18".

*Amsterdam Forcing. Roots reddish orange, 6 in., uniformly tapered. Best for forcing. About 2 weeks earlier than other varieties	.45	1.50	4.50
Chantenay Red Cored. Tapering.	.30	1.00	3.00
Danvers Half Long. Tapering.	.30	1.00	3.00
Hutchinson. Latest and largest variety.	.35	1.15	3.40
Morse's Bunching. (All America Award)	.30	1.00	3.00
Nantes Stump Rooted. Cylindrical.	.35	1.15	3.40
Oxheart or Guerande. Easy to pull.	.30	1.00	3.00
Supreme Half Long. Tapering.	.35	1.15	3.40



CARROT—Morse's Bunching

*Suitable for greenhouse forcing



Cauliflower—Snowball "A"

CAULIFLOWER (About 7000 seeds per oz.). The greatest care is taken to get the best obtainable strains from specialist growers. Sow in Feb. or March for plant sale. To handle plants in bands or pots is essential for unchecked growth and sure heading. Space 18x24 in. Days indicated are from date plants are set out.



Danish Giant Dry Weather. Select. 70 days.

Early Dwarf Erfurt. Select. 60 days.

***Early Snowball "A."** 55 days. Standard early. Fine for greenhouse forcing, frame or outdoor culture.

Snowball "X." 65 days. Well adapted for use under a wide range of conditions. Heads large, firm and pure white.

Snowdrift. 65 days. Larger than Snowball; firm and well protected by inner leaves. Good for distant shipping.

Prices on above five varieties, each: Tr. pkt., 50c; ¼ oz., \$1.00; 1 oz., \$3.00; 4 oz., \$10.00.

1 oz. 4 ozs. 1 lb.

CELERY (About 8000 plants per oz.). Sow in Feb. or March for plant sales. Cover seeds lightly. Space 6x28". Days indicated are from date of planting.



Epicure. RESISTANT. Edible stem 10 in. pale green, exceptionally crisp. ½ oz., 40c	\$0.70	\$2.35	\$7.00
Giant Pascal. 140 days. The standard late green celery. ½ oz., 40c	.70	2.35	7.00
Golden Plume. Select. 85 days. Desirable for home and market garden. ½ oz., 50c	.90	3.00	9.00
Golden Yellow Self-Blanching. Dwarf. Standard market sort. ½ oz., 50c	.90	3.00	9.00
Utah or Salt Lake. No. 99. 125 days. Mid-season, full-hearted and compact. ½ oz., 40c	.70	2.35	7.00

CELERIAC



Large, Smooth Prague. Turnip-rooted celery. Excellent winter keeper. ¼ oz., 25c	.70	2.35	7.00
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CHICORY

Witloof. "French Endive." Roots grown outdoors during summer are forced in successive crops during winter in any spare room. Roots are planted 2" apart covered with 8" of sand. Heads are ready to cut in about 6 weeks. Catch crop. Ideal for salads.	.50	1.70	5.00
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CHIVES. "Grass-Onion." A perennial, quickly started from seed. Popular for flavoring and borders. ¼ oz., 40c




	1.20	4.00	12.00
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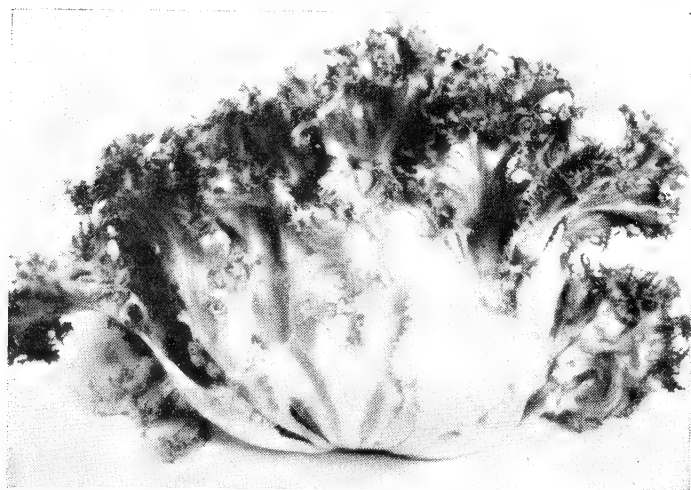
Vegetable Seeds for Florists (Continued)

CRESS. Curled or "Pepper Grass." Greenhouse catch crop. Ready in 40-60 days. Temp. 40-50° **\$0.30 \$1.00 \$3.00**

CUCUMBER. (About 1000 seeds per oz.)
 1 oz. for 80 hills or 50-ft. row. Distance between rows 3 to 6 ft.
A. & C. 68 days. 8 to 9 in. Deep green. Does well on light soil..... **.25 .85 2.50**
Chicago Pickling. 6 in. 60 days..... **.25 .85 2.50**
***Davis Perfect.** Fine slicing variety. 9-11 in. Good for greenhouse growing..... **.30 1.00 3.00**
Imp. Long Green. Ideal slicer. 12 in..... **.30 1.00 3.00**
***Longfellow.** 72 days. One of the main forcing varieties. 12 to 14 in. long..... **.35 1.20 3.50**
National Pickling. 55 days. Considered best for small pickles..... **.25 .85 2.50**
Small Cherkin. 2 in. long; very prolific..... **.30 1.00 3.00**
Straight 8. Deep green; ideal shipper..... **.30 1.00 3.00**


EGG PLANT. (About 6000 seeds per oz.)
 Sow in February/March for plant sales. Space plants 18x24 in.
Black Beauty. Popular market variety. Dark purple. Broad, egg-shaped..... **.80 2.70 8.00**
Fort Meyers Market. Oval fruits carried well above ground. Quite resistant to disease and excessive heat. ½ oz., 45c..... **.80 2.70 8.00**

ENDIVE. (1 oz. for 100-ft. row.) Sow in April or June/July for fall crop which may be stored for several months if taken up with soil before killing frost, packed closely and stored in basement.
Full Heart Batavian. "Escarolle."..... **.20 .60 2.00**
Deep Heart Fringed. Upright growth..... **.20 .60 2.00**



Grow Endive for winter storage

POPULAR HERBS. Collection boxes of banded and assorted plants have proved a very popular spring seller. Of medicinal and high flavoring value as well as decorative appearance. Each packet will make at least 250 plants. Leaflet describing each variety with collection offer.

 **Anise—Basil—Borage—Coriander—Dill—Fennel—Sweet Marjoram—Sage—Savory—Thyme.**

Prices each above: Tr. pkt., 15c; 5 pkts., 60c. Collection one each of 10 varieties, **\$1.00.**

KALE. (About 7000 seeds per oz.)
Dwarf Green Curled. Very hardy..... **\$0.35 \$1.10 \$3.30**
Tall Green Curled Scotch. 30 in. tall..... **.35 1.10 3.30**

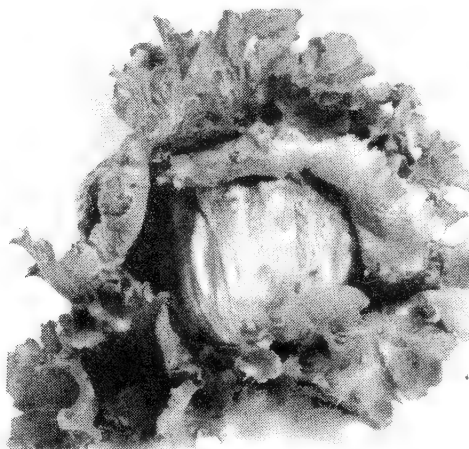
KOHLRABI (About 7000 seeds per oz.)
***Early White Vienna.** Standard sort for forcing and home garden. Globe-shaped..... **.60 2.00 6.00**
Early Purple Vienna..... **.40 1.50 4.50**

*Suitable for greenhouse forcing

LEEK (About 9000 seeds per oz.) More delicately flavored than the mildest onion. Has a decided sweet flavor. Cooked and served like asparagus. For plant sale or sown directly. Stores well and stands a good deal of frost.



Monstrous Carentan. Stem 8 in. Best strain of this fine "Asparagus-type" of the onion family. ¼ oz., 30c..... **\$0.90 \$3.00 \$9.00**



Great Lakes, new sure heading Lettuce. All America Bronze Medal winner 1943

LETTUCE. (15,000 seeds per oz., ¼ oz. for 100-ft. row.) There is a premium on lettuce PLANTS as they are readily transplanted in bands and heading varieties will make large solid heads, if set out early, even before late frost is over. Sow March 15 or 4 weeks before setting out plants. Space 14x18 in.

FORCING VARIETIES

Approximate growing time 60-90 days. Temperature 50-60°. Transplant. Sow any time.

***Grand Rapids Forcing.** The standard LOOSE LEAVED variety for greenhouse forcing. Tender and sweet. Best early..... **\$0.25 \$0.80 \$2.40**

***Bibb Forcing.** Butterhead type of finest flavor and well adapted to greenhouse culture. Demands even temperature, more so than Grand Rapids..... **.40 1.35 4.00**

STANDARD VARIETIES

Big Boston. HEADING; used for spring and fall hot-bed and cold-frame culture..... **.20 .70 2.10**

Black-Seeded Simpson. LOOSE LEAVED..... **.20 .70 2.00**

Great Lakes. New outstanding HEAD lettuce; slow to bolt. "All America" winner 1943..... **.50 1.70 5.10**

Imperial No. 44. Sure HEADING variety. Highly recommended for plant sales..... **.40 1.30**

Looseleaf Prizehead. Leaves tinged red..... **.20 .60 1.80**

New York No. 12 or Wonderful. Early sure HEADING. Does well in mid-summer..... **.35 1.15 3.40**

May King. Earliest of the Butterheads. Valuable for forcing outdoors or frames..... **.20 .70 2.00**

MUSKMELON (9000 seeds per oz.)
Honey-Dew—MILDEW-RESISTANT..... **.20 .70 2.00**

Honey Rock. NEW. 85 days. Flesh orange, sweet and of finest flavor. Good shipper..... **.20 .70 2.00**

Pride of Wisconsin. 86 days. Thick, orange-fleshed, popular..... **.25 .75 2.20**

Resistant No. 45 or Hale's Best. 90 days. Flesh thick salmon. Resistant to mildew..... **.25 .75 2.20**

Rocky Ford or Netted Gem. 90 days. Green fleshed. Oval 5 in. long..... **.20 .70 2.00**

WATERMELON

Harris Earliest. 80 days. Fruits oval..... **.15 .55 1.60**

Stone Mountain. 95 days. Fruits round..... **.15 .55 1.60**

Wonder (Improved Kleckleys Sweet)..... **.15 .55 1.60**

Vegetable Seeds for Florists (Continued)

ONION (About 8000 seeds per oz.)



DIRECTIONS FOR PROFITABLE PLANT SALE: See page 36.

Ebenezer. Early flat straw-colored, mild-flavored; used for sets. \$0.70 \$2.35 \$7.00

Prizetaker. (Valencia.) Yellow, good keeper, flesh coarse and mild. ½ oz., 50c.90 3.00 9.00

Southport Red Globe. 110 days. Splendid keeper. Best red variety. ½ oz., 40c.70 2.35 7.00

Riverside — Yellow Sweet Spanish. Globe-shaped, keeping extra well for soft type. Mid-season. ½ oz., 50c.95 3.20 9.50

White Portugal. Bulbs flat, firm, excellent keeper widely used for sets, bunching and pickling. ½ oz., 50c.90 3.00 9.00

Yellow Globe Danvers. Firm and hard; excellent keeper. ½ oz., 40c.70 2.35 7.00

Yellow Bermuda (White Bermuda). Standard early. Flat, straw colored. ½ oz., 50c.90 3.00 9.00

Yellow Globe Brigham. Fine solid bulbs of high keeping quality. ½ oz., 40c.70 2.35 7.00

***Bunching Onion White Welch.** A perennial for forcing or outdoors. White shoots are used as "Scallions." Sow directly or transplant from outdoors. ½ oz., 40c.70 2.35 7.00

PARSLEY (¼ oz. per 100-ft. row). Roots are transplanted from outside to 4 in. pots or ground bed in cool house, or sow directly, 8x8 in. Fine crop either for cutting or to sell in pots.



***Extra Tripled Curled.** 75 days. Closely curled, very compact and productive.15 .50 1.50

***Paramount.** 90 days. The most dwarf and curled Parsley. Uniform dark green.15 .50 1.50

PARSNIP (½ oz. per 100-ft. row) Sow early, space rows 18 in. Roots hardy.

Short, Thick. 100 days. Finest and earliest strain. Pulls easily, sweet delicate flavor.20 .70 2.00

Smooth White. 130 days. Evenly tapered —whiter than "Hollow Crown."20 .50 1.50

*New Pepper
"Oakview
Wonder"*



PEPPER (About 3000 seeds per oz.) Sow 6 weeks before outdoor planting. Germinate seeds warm. Space plants 16x24 in. Days indicated are from date plants are set out.



*Suitable for greenhouse forcing

PEPPER, continued

California Wonder Select. (Sweet) 72 days. Standard of excellence in Sweet Peppers. Extra thick walls. ½ oz., 40c. \$0.70 \$2.40 \$7.00

Chinese Giant. (Sweet) 80 days. The largest Sweet Pepper. ½ oz., 35c.60 2.00 6.00

Harris' Early Giant. (Sweet) 63 days. Well-suited to northern states. ½ oz., 35c.65 2.20 6.50

Hungarian Yellow Wax. (Hot) Very early. Plants small, productive. ½ oz., 40c.75 2.50 7.50

Large Bell or Bull Nose. 65 days (Hot). Ribs pungent, otherwise mild. ½ oz., 40c.70 2.40 7.00

Long Red Cayenne. (Hot). 70 days. For pickles, canning or drying. ½ oz., 35c.60 2.00 6.00

Oakview Wonder. (Sweet) 65 days. (Early California Wonder.) ½ oz., 40c.75 2.50 7.50

Pimento. (Perfection) Sweet. 72 days. Fruits smooth, conical. ½ oz., 30c.45 1.50 4.50

Red Chili. Numerous 2-2½ in. long fruits. Borne upright. Very pungent. ½ oz., 35c.65 2.20 6.50

Romanian. (Sweet) Yellow 4½x2½". Very productive and early. ½ oz., 65c. 1.20 4.00 12.00

Ruby King. (Sweet) 68 days. Very productive. ½ oz., 35c.65 2.20 6.50

Sunnybrook. Sweet, tomato-shaped fruits. Turns scarlet red earlier than most other Peppers. 73 days. ½ oz., 35c.60 2.00 6.00

Sweet Bull Nose. (Sweet Mountain.) Mild-fleshed. 65 days. ½ oz., 35c.65 2.20 6.50

Sweet Yellow. Medium size. ½ oz., 40c.75 2.50 7.50

World Beater. (Sweet) 70 days. Large, oblong green, thick flesh. ½ oz., 35c.60 2.00 6.00

PUMPKIN

Small Sugar Pie. Early orange.15 .50 1.50

RADISH (1 oz. for 100-ft. row)

Crimson Giant. 30 days. Remains crisp.15 .40 1.20

***Early Scarlet Globe.** (Short Top). Our strain of this very early forcing variety is a superior one. 23 days. An ideal florists' "catch crop." 10 lbs., \$12.60.15 .45 1.40

French Breakfast. 25 days. Oblong roots, scarlet, white tipped. Forcing and market.15 .40 1.20

***Icicle.** (Short Top.) 27 days. Best white for outdoors and forcing. 10 lbs. \$10.80.15 .40 1.20

Scarlet Turnip. White tip. Popular variety.15 .40 1.20

SPINACH (1 oz. for 100-ft. row)

Giant Thick Leaved. NOBEL. 45 days. 10 lbs., \$9.00.15 .35 1.00

King of Denmark. 48 days. Slow to form seed stalks. 10 lbs., \$7.20.15 .30 .80

Savoy-Leaved or Bloomsdale. 40 days. Standard early sort. 10 lbs., \$7.20.15 .30 .80

***New Zealand.** TETRAGONIA. Picked thruout the summer. Suitable for greenhouse forcing. Temp. 50-60°.25 .80 2.40

SQUASH (1 oz., about 380 seeds.)

Acorn. 60 days. Winter squash.20 .65 1.90

Buttercup. 100 days. Winter squash.20 .75 2.20

Early Prolific Straightneck. 50 days. Summer squash. Edible when 4 to 14 in.15 .50 1.50

Hubbard. True. Green winter Squash.20 .65 2.00

SWISS CHARD. (1 oz. for 100-ft. row)

***Lucullus.** Deep green crumpled leaves. For forcing sow directly or transplant field-grown roots. Cool house temp. Pick leaves.15 .50 1.50

We issue an easy-to-read chart containing a wealth of valuable information on forcing vegetables in the greenhouse. We'll gladly send you a copy for the asking.

Vegetable Seeds for Florists (Continued)

TOMATO (About 7000 seeds per oz.)

SPECIAL FORCING VARIETIES

***Waltham Forcing, Certified.** The ideal forcing Tomato. Our greenhouse grown seeds from selected plants. Even sized, 4 oz. scarlet fruits, firm, good shippers and do not crack. Plants take little room, may be grown in old buckets. Flowers self-pollinating. Early and heavy yielder. This variety also fine for outdoor trellis. Tr. pkt., **50c**; ¼ oz., **\$1.00**; 1 oz., **\$3.00**.

***Michigan State Forcing.** Wilt Resistant. Distinct greenhouse Tomato developed at Michigan State College. Rich, deep scarlet fruits, average 5-6 oz., globular, in large clusters. Highly self-pollinating but responds well to daily tapping of flowering clusters. Tr. pkt., **25c**; ¼ oz., **50c**; 1 oz., **\$1.50**.

Globe "A," Select. Pink fruits, a little larger than regular Globe. Developed by Ohio State Experiment Station. Ships well. Tr. pkt., **50c**; ¼ oz., **\$1.00**; 1 oz., **\$3.00**.

Marhio or Marvelous. Pink fruited, wilt resistant and almost free from cracks. Vigorous grower requiring high temperature and particularly fine for fall forcing. Extra select stock. Tr. pkt., **50c**; ¼ oz., **\$1.00**; 1 oz., **\$3.00**.

STANDARD VARIETIES

1 oz. 4 ozs. 1 lb.

***Bonny Best.** Unexcelled for all purposes.

Smooth and firm. 73 days. **\$0.60 \$2.00 \$5.90**

Break-O'Day. Early WILT-RESISTANT, globe shaped. Heavy producer, flesh firm **.60 2.00 6.00**

Chalk's Early Jewel. 75 days. Heavy producer, scarlet-red, smooth and firm. **.55 1.85 5.00**

Crimson Cushion or Beefsteak. Large, flat, bright scarlet; solid, very prolific. **.80 2.70 8.00**

Dwarf Champion. Tree-like. Requires no support; medium size, solid pink fruit. **.70 2.35 7.00**

Dwarf Stone. 81 days. Strictly dwarf, tree-like, fruits bright red, smooth and solid. **.60 2.00 6.00**

Earliana. Medium size, deep scarlet, firm and smooth. 64 days. Fine early variety. **.70 2.35 7.00**

Early Detroit. Valuable for shipping. Pink, medium large, smooth fruit. 78 days. **.60 2.00 6.00**

Globe. (LIVINGSTON'S) Heavy producer. Large purplish pink fruit; smooth and solid **.60 2.00 6.00**

Golden Queen. 83 days. Large yellow fruited; firm and smooth, mild flavor. **.70 2.35 7.00**

Greater Baltimore. Mid-season. Earlier than Stone, heavy producer, deep scarlet. **.50 1.70 5.00**

Gulf State Market. Very fine second early, crimson, medium size, very solid. **.60 2.00 6.00**

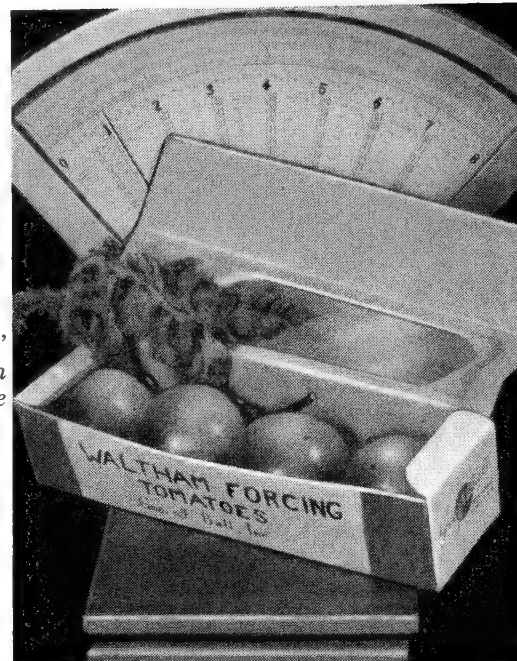
Italian Canner. Red plum shaped. Valuable for canning whole, paste and dehydration. ½ oz., **50c** **.90 3.00 9.00**

John Baer, Certified. Standard all-purpose variety, second early, medium size, red **.60 2.00 6.20**

June Pink. Earliest pink, early shipper. **.65 2.20 6.50**

WALTHAM FORCING

The "Tailor Made" Tomato for modern packing. Four to the pound.



1 oz. 4 ozs. 1 lb.

Jubilee. Orange. Bronze medal in All-America trials. Non-acid, meaty. ½ oz., **50c** **.90 3.00**

***Master Marglobe, Certified.** Valuable for shipping and HIGHLY RESISTANT. 75 days. Extra select stock. ½ oz., **45c** **\$0.80 \$2.70 \$8.00**

Marglobe. Regular Stock. **.60 2.00 6.00**

Oxheart. 90 days. Extra large, heart-shaped, few seeds, mild flavor. ½ oz., **60c** **1.10 3.70 11.00**

Penn State Earliana. Extra early, red, large, smooth, mild and solid. **.75 2.50 7.50**

Ponderosa. Extremely large; purplish pink, few seeds, mild flavor, 85 days. **.85 2.85 8.50**

Pritchard. (Scarlet Topper). Fine all-round variety, heavy yielder; second early; WILT-RESISTANT **.65 2.20 6.50**

Rutgers, Certified. Red, smooth, thick walls—firm and mild. Does well even at a low fertility level. Favorite in sandy soil. **.65 2.20 6.50**

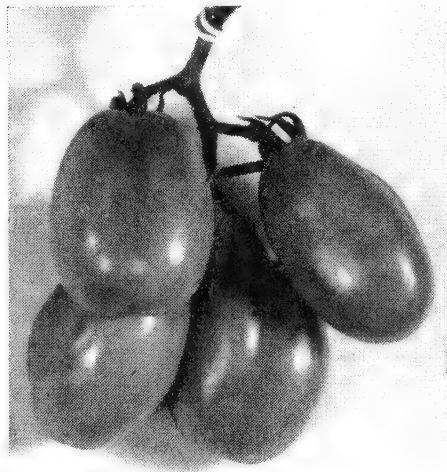
Stone. 85 days. Valuable for market and canning; heavy producer; deep scarlet. **.65 2.20 6.50**

Victor. 65 days. Extra early. Fruits scarlet. Determinate vine, takes little room. ½ oz., **50c** **.95 3.25 9.50**

**Red Cherry } Small fruited, for pickles, }
Yellow Plum } salads or preserves } **.75 2.50**
Yellow Pear }**

Yellow Husk or Ground Cherry. **.15 .30 .80**

TURNIP. Purple-Top, White Globe. **.15 .30 .80**



ITALIAN CANNER

An Excellent Tomato for canning whole, Tomato paste and dehydration.

*Suitable for Greenhouse forcing.

TOMATO varieties to meet particular demand in plant sales

We suggest for:

Early yield.
Midseason or "All Season."

Late.

Taking least room.
Self topping "Terminate."
Wilt Resistant.

Poor or sandy soil.
Highest yield.

"Non-Acid."
For juice.
For canning.
Largest size slicing

RED FRUITS

Victor-Penn State Earliana
Master Marglobe
Bonny best
Stone
Crimson Cushion
Victor—Dwf. Stone
Victor—Pritchard
Master Marglobe
Pritchard
Rutgers
Master Marglobe
Bonny Best
Crimson Cushion
Greater Baltimore
Most any variety
Crimson Cushion
Stone

PINK FRUITS

June pink
Gulf State Mkt.
Early Detroit
Globe
Ponderosa
Dwarf Champion
Dwarf Champion
Marhio
Gulf State Mkt.
Gulf State Mkt.
Ponderosa
Globe
Most any variety
Oxheart
Ponderosa

ORANGE & YELLOW

Orange King
Jubilee
Golden Queen
Yellow Ponderosa
Orange King
Orange King
Orange King
Jubilee
Jubilee
Most any variety
Yellow Ponderosa
Jubilee

Gro. J. Ball
INC.
WEST CHICAGO
ILLINOIS

DATE 19

WHEN WANTED	TERMS
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PLEASE USE SAME FIRM OR GREENHOUSE NAME ON ALL ORDERS TO AVOID CONFUSION ON OUR RECORDS

STREET OR R. F. D.

CITY AND STATE

**THIS ORDER APPROVED
AND SIGNED BY**

REMITTANCE ENCLOSED

BUYER		\$
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REC'D

OUT

СК.
М. О.

ST. OR
CUR.

C. O. D.

CHG.

SOURCE

CHECKER

[illegible]

CASH DISCOUNT

On all seed orders except cyclamen, a cash with order discount of 5% is allowed on orders up to \$25.00. On orders for \$25.00 or more, 8% cash discount is allowed. This discount does not apply on booklets, plant bands, or plants and bulbs.

GROWER TALKS

Our monthly publication intended to remind you of crops to be started. Travel notes by Geo. J. Ball and others, trial ground notes, and special articles make it of direct interest to growers. 40c per year; two years for 75c.

BALL RED BOOK

By Geo. J. Ball and associates. Have you the 5th or 1941 issue? It covers the practical questions involved in growing 169 Florists' crops from seed, together with a discussion of generally preferred varieties in each. Mailed for cost of printing 30c.

GRAVEL CROPS

Second edition by Vic Ball. Besides latest slants on gravel that it covers, sub-irrigation of both pot plants and bench crops is dealt with from practical experience. You should be informed on these new promising developments. Price 10c.

SEED SOWING

By Geo. J. Ball and Geo. Jr. Complete discussion plus table giving number of seeds per given weight, time and temperature required for germination. Sent gratis.

TOTAL

"All the best—nothing else"

FLOWER
SEEDS
FOR
FLORISTS

Geo. J. Ball
INC

West Chicago,

Illinois

FROM



As Ball banded plants are easily and quickly removed from bed or flats, it takes less time and trouble to wait on your customers. These are our Wood Veneer Bands.



Ball Better Bands are fully assembled — one single motion and they are ready for use. No costly time spent in putting each band together by hand.

Better for You and Your Customers

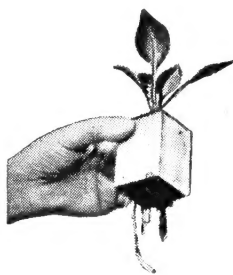
PRICES and SIZES on our BALL BETTER Plant Bands

Prices given are net F.O.B. Chicago and are subject to change without notice.

These Bands are tied in bundles of 50 for your convenience, and are packed in units of not less than 1000.

Size	Per 1000	Wt. per 1000
1 3/4 x 1 3/4 x 2 1/2	\$3.30	16 lb.
2 x 2 x 2 1/2	3.65	19 lb.
2 1/2 x 2 1/2 x 2 1/2	4.00	27 lb.
2 1/2 x 2 1/2 x 3	4.20	30 lb.
3 x 3 x 3	4.70	31 lb.
3 x 3 x 4	5.65	33 lb.
4 x 4 x 3	5.45	33 lb.
4 x 4 x 4	6.80	35 lb.
6 x 6 x 6	Write for prices.	

See page 36 for information on use of these bands for growing vegetable plants for your use and selling.



The damage done to plants in digging or pulling them from a flat or bed and the resulting customer dissatisfaction reduce profits and discourage repeat business. USE BALL BETTER BANDS this spring. You'll help your customers by selling them plants with roots and soil intact which will mean earlier and better flowers and vegetables for them, and more profits for you. And remember, you can't beat these bands for young Mum and Carnation plants.

Following sizes can also be had with bottoms, but your order for these must be received early. Prices on application.

4x4x4—4x4x6—6x6x6 and 6x6x9 as well as 6x7x2 1/2 makes small flat to hold 1 doz. 1 3/4" bands and larger size for 1 doz. 2" bands.

The New Bird "VITA-BanD"

These are the fiber bands treated with nutrients to stimulate plant growth and come in 2 types as follows: VITA-GRO "A"—Treated for longer growing periods and made heavier for this purpose.

VITA-GRO "B"—Designed for shorter periods of growth and is also treated with nutrients.

GROWTEX—Low priced band for short periods of growth. No nutrient treatment.

NEPONSET FIBRE—The Standard cemented type band sold by us last season. Supply limited.

BIRD "SUB-IRRIGATORS"

A waterproof fiber-resin tray serving as a reservoir in bottom of flat. Pulls the roots down where they belong, develops strong root system. Reduces watering—makes liquid feeding easy and doubles life of flat. You secure better germination with better damping-off control.

IMPORTANT: Send *inside* dimensions of flats with order.

ALL SHIPMENTS made Express Collect from factory near Boston.

SHIPPING WEIGHTS: For 12"x24" flats approximately 20 lb. per 100; for 15"x24" flats, 28 lb.; other sizes in proportion.

PRICES: 100 of one size, \$5.00; 25 of one size, \$2.50; 100 in any 4 sizes of 25 each, \$7.00.

Prices and Sizes

Sold in units of 1000 only. Prices are net F.O.B. factory, East Walpole, Mass., for points west of Pittsburgh shipped from Chicago, Ill.

	1 3/4 x 2 1/2	2 x 2 1/2	2 x 3	2 1/2 x 3	3 x 3	3 x 4
Vita-BanD "A"...	2.95	3.20	3.50	3.75	4.45	5.40
Vita-BanD "B"...	2.50	2.70	3.10	3.30	3.55	4.25
Growtex.....	2.25	2.50	2.80	3.00	3.25	4.00
Neponset Fibre..	2.00	2.15	2.50	2.75	3.00	3.75

TOM THUMB FLATS

All prices are subject to change without notice, and are net F.O.B. factory, East Walpole, Mass., for points west of Pittsburgh shipped from Chicago, Ill.

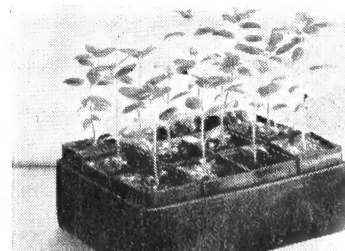
Size	Prices	
No. 1 for 1 doz. 1 3/4" bands.....	500	1,000
No. 2 for 1 doz. 2" bands.....	\$13.00	\$24.50
	14.00	26.50
Shipping weights per 1,000: No. 1, 300 lb.; No. 2, 350 lb.		

Geo. J. Ball
I N C.
WEST CHICAGO,
ILLINOIS, U. S. A.

THIS CUT →

Shows "Tom Thumb" Flat. Comes to you flat and is set up very easily, as shown.

Cut shows No. 1 size set up and filled with 1 doz. 1 3/4" bands with tomato plants growing.



Geo. J. Ball
I N C.
WEST CHICAGO
ILLINOIS

DWARF MARIGOLDS

The three pictured are the latest and best of the Dwf. French. Highly attractive in combinations, especially when combined with the blue of Nierembergia. Equally showy outdoors except during extreme heat. In a cold house or if over-watered the growth becomes checked, so grow them in a 50-55° house: grow plenty of 'em.

Top — Butterball
Right — Spry
Bottom — Sunkist



^{BETTER}
"Flower Seeds for Florists"

NIEREMBERGIA "Purple Robe"

A darker, more effective selection that does not bleach under strong sun as will the original, Hippomanica. Doesn't make quite so much growth as the original form, so plant out some closer. Valuable for edging or bedding. For 2½ in. pot plants in May, sow in February and grow in Carnation house temperature.

